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ABSTRACT

This annual report contains resumes of research projects, exemplary and innovative projects, and curriculum development projects. Projects were administered by state departments of education through research coordinating units (RCUs) in fiscal year 1978 and funded under sections 131, 132, and 133 of the Vocational Education Act of 1963 as revised by the Education Amendments of 1976. Section 1 presents project descriptions alphabetically by state, within state by legislative section, and alphabetically by title within sections. Resumes follow this format: accession number, project title, director(s), contracting organization, funding period, fiscal year funding, explanatory note, administering agency, contract or state control number, descriptors (subject terms), identifiers (additional identifying terms), and abstracts. The abstracts follow guidelines adapted from the Educational Resources Information Center (ERIC) Processing Manual: subject terms are selected from the Thesaurus of ERIC Descriptors. Section 2 contains a subject index. Lists of State Directors of Vocational Education and Directors of RCUs are appended. (YLB)

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ED189445

# CURRENT PROJECTS IN VOCATIONAL EDUCATION—FY 1978

## State-Administered Projects

Compiled by
Patricia Arthur
Wesley E. Budke

The National Center for Research in Vocational Education
The Ohio State University
1960 Kenny Road
Columbus, OH 43210

January 1980

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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CE 026 106

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- Generating knowledge through research
- Developing educational programs and products
- Evaluating individual program needs and outcomes
- Providing information for national planning and policy
- Installing educational programs and products
- Operating information systems and services
- Conducting leadership development and training programs

## FUNDING INFORMATION


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| **Contract Number:** | OEC-300-78-0032 |
| **Project Number:** | 498MH90003 |
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| **Project Officer:** | Paul Manchak |
| **Contractor:** | The National Center for Research in Vocational Education<br>The Ohio State University<br>Columbus, Ohio 43210 |
| **Executive Director:** | Robert E. Taylor |
| **Clearingouse Director:** | Wesley E. Budke |
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## ABSTRACT

Resumes contained in this annual report cover research projects, exemplary and innovative projects, and curriculum development projects administered by state departments of education through research coordinating units (RCUs) from July 1, 1977 to June 30, 1978 (fiscal year 1978). The projects were funded under Sections 131, 132, and 133 of the Vocational Education Act of 1963 as revised by the Education Amendments of 1976. Resumes are arranged alphabetically by state, within state by legislative section, and alphabeticaly by title within sections. Information provided in each resume includes the project director, organization address, sponsoring agency, funding period, and fiscal year funding. A subject index is included in addition to appendixes listing state directors of vocational education and RCU directors.

## FOREWORD

Educators must keep abreast of ongoing vocational education research and development projects to be aware of new exemplary practices and products, to facilitate incorporation of innovations into programs, and to reduce duplication of effort. The National Center for Research in Vocational Education, through the National Center Clearinghouse, is pleased to disseminate pertinent research and development information through this compilation of state-administered vocational education program improvement projects (Sections 131, 132, and 133 of PL 94-482). The publication provides researchers, program planners, curriculum developers, evaluators, teacher educators, teachers, counselors, and administrators with an easy-to-use report of projects in progress.

We wish to thank staff of the research coordinating units in each state and territory for identifying and supplying project information.

Recognition is given to Clearinghouse staff for their efforts in compiling this publication: Wesley E. Budke, Clearinghouse director; Patricia Arthur, program associate; Yvonne Blauvelt, Wayne Clapp, Paula Kurth, Joanne Mase, Laurian Miguel, and Fran Parmley, program assistants; Wallis Harsch, publication specialist; Naomi Jacobs, librarian; and Brenda Bythewood, typist.

Robert E. Taylor
Executive Director
The National Center for Research
in Vocational Education

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## INTRODUCTION

Information compiled in this annual report covers research projects, exemplary and innovative projects, and curriculum development projects administered by state departments of education through research coordinating units (RCUs) from July 1, 1977 to June 30, 1978 (fiscal year 1978). The federal funds actually spent during this period were carried forward from the previous fiscal year or specifically charged to FY 1978.

### Authorizing Legislation

Most state RCUs were first established through grants authorized under the Vocational Education Act of 1963 (PL 88-210). They became a permanent part of the states' vocational education program improvement efforts with the 1968 amendments to that act (PL 90-576). The Education Amendments of 1976 (PL 94-482) gave them more specific responsibility by requiring that program improvement activities, including Section 131 (Research), Section 132 (Exemplary and Innovative), and Section 133 (Curriculum Development), be conducted through the RCUs. Supportive service activities such as Section 134 (Vocational Guidance and Counseling), Section 135 (Vocational Education Personnel Training), and Section 136 (Grants to Assist in Overcoming Sex Bias) may be managed by the RCU if the state chooses.

Projects included in this report were funded under Sections 131, 132, and 133 of the Education Amendments of 1976. Projects were intended to emphasize improvement of planning in using resources available for vocational education and manpower training; extending, improving, and where necessary, maintaining existing programs; developing new programs; overcoming sex discrimination and sex stereotyping; and providing part-time employment for needy youths. The three legislative sections are described below.

*Section 131: Research.* Funds may be used to support state RCUs and for contracts by RCUs for program improvement involving (1) applied research and development projects; (2) experimental, developmental, and pilot programs designed to test the effectiveness of research findings, including programs to overcome problems of sex bias and sex stereotyping; (3) improved curriculum materials for current programs and new materials for new and emerging job fields; (4) development of new careers and occupations in fields such as mental and physical health, crime prevention and correction, welfare, education, municipal services, child care, and recreation; (5) training and development projects designed to demonstrate improved methods of obtaining the cooperation of both public and private sectors to better coordinate and implement programs for employing persons in the fields described above; (6) evaluating programs relating to training and using public service aides; and (7) disseminating contract results locally. Contracts must result in improved teaching techniques or curriculum materials that will be used in a substantial number of classrooms or other learning situations within five years after contract termination.

*Section 132: Exemplary and Innovative.* Funds may be used for contracts for the support of exemplary and innovative programs, including (1) developing high quality vocational education programs for urban centers with high concentrations of economically disadvantaged, unskilled workers, and unemployed individuals; (2) developing training opportunities for persons in sparsely populated rural areas and individuals migrating from farms to urban areas; (3) providing effective vocational education for individuals with limited English speaking ability; (4) establishing cooperative arrangements between public education and manpower agencies designed to correlate vocational education oppportunities with current and projected labor market needs; (5) broadening occupational aspirations and opportunities for youth (with special emphasis given to youth who have academic, socioeconomic, or other handicaps), including programs and projects designed to familiarize elementary and secondary students with a broad range of occupations for which special skills are required and the requisites for careers in such occupations; and (6) facilitating participation of employers and labor organizations in postsecondary education.

Other provisions of Section 132 give priority to programs designed to reduce sex stereotyping in vocational education and provide for participation of students enrolled in nonprofit private schools. Annual program plans and accountability reports covering the final year of financial support by the state for these programs must indicate what will happen to the program after federal support is discontinued, and how promising programs will be continued and expanded within the state.

*Section 133: Curriculum Development.* Funds may be used for contracts for the support of curriculum development projects, including developing and disseminating vocational education curriculum materials for new and changing occupational fields and for individuals with special needs. Funds may be used also for contracts for developing guidance, curriculum, and testing materials and for support services designed to overcome sex bias, and to enable teachers to meet the needs of individuals enrolled in vocational education programs traditionally limited to members of the opposite sex. Contracts must result in improved teaching techniques or curriculum materials that will be used in a substantial number of classrooms or other learning situations within five years after contract termination.

**Summary of FY 1978 Projects**

The following matrix shows the number of projects conducted between July 1, 1977 and June 30, 1978 (FY 1978), and the total amount of funds expended by each state for research projects, exemplary and innovative projects, and curriculum development projects. Because these projects may receive funding from state and local sources as well as federal, refer to the note in individual resumes for the source and amount of other funding.

## EXPENDITURES FOR STATE-ADMINISTERED PROJECTS CONDUCTED DURING FISCAL YEAR 1978

| STATE | SECTION 131 | | SECTION 132 | | SECTION 133 | | TOTALS | |
|---|---|---|---|---|---|---|---|---|
| | Number of Projects | Amount | Number of Projects | Amount | Number of Projects | Amount | Number of Projects | Amount |
| ALABAMA | | | | | 1 | 50,000 | 1 | 50,000 |
| ALASKA | 2 | 21,691 | | | 6 | 41,702 | 8 | 63,393 |
| ARIZONA | 4 | 29,510 | 4 | 103,102 | 7 | 81,564 | 15 | 214,176 |
| ARKANSAS | 3 | 47,672 | 3 | 77,702 | | | 6 | 125,374 |
| CALIFORNIA | 14 | 1,056,246 | 8 | 254,480 | 17 | 742,029 | 39 | 2,052,755 |
| COLORADO | 3 | 24,488 | | | | | 3 | 24,488 |
| CONNECTICUT | 16 | 69,552* | 7 | 95,533* | 1 | 40,159* | 24 | 205,244* |
| DELAWARE | | | 2 | 19,097* | | | 2 | 19,097* |
| DIST. COLUMBIA | 4 | 315,273 | | | | | 4 | 315,273 |
| FLORIDA | 11 | 437,152* | 1 | 23,061 | 5 | 327,043* | 17 | 787,256* |
| GEORGIA | 4 | 283,686 | | | 1 | 49,962 | 5 | 333,648 |
| HAWAII | | | | | | | 0 | 0 |
| IDAHO | 4 | 24,590 | 5 | 60,735 | 4 | 25,967 | 13 | 111,292 |
| ILLINOIS | 25 | 634,644 | 28 | 872,698 | 16 | 272,585 | 69 | 2,779,927 |
| INDIANA | 22 | 537,054* | 16 | 876,533* | 3 | 52,913 | 41 | 1,466,500* |
| IOWA | 4 | 213,099 | 1 | 30,000 | 1 | 30,000* | 6 | 273,099* |
| KANSAS | 7 | 58,562 | 3 | 69,500 | 3 | 25,842 | 13 | 153,904 |
| KENTUCKY | 6 | 115,931* | 11 | 217,585* | | | 17 | 333,516* |
| LOUISIANA | 4 | 99,504 | 3 | 67,563 | 2 | 53,704 | 9 | 220,771 |
| MAINE | 1 | 10,338 | 8 | 65,108 | | | 9 | 75,446 |
| MARYLAND | 8 | 24,005 | 13 | 40,950 | | | 21 | 64,955 |
| MASSACHUSETTS | 1 | 22,548 | 2 | 183,016 | 2 | 78,200 | 5 | 283,764 |
| MICHIGAN | | | | | 5 | 456,250 | 5 | 456,250 |
| MINNESOTA | 6 | 221,109* | 5 | 86,392 | 4 | 107,655 | 15 | 415,156* |
| MISSISSIPPI | 3 | 49,802* | 4 | 100,093* | | | 7 | 149,895* |
| MISSOURI | 17 | 86,538 | 2 | 48,530 | | | 19 | 135,068 |

*Includes funding charged to fiscal years other than FY 1978.

| STATE | SECTION 131 | | SECTION 132 | | SECTION 133 | | TOTALS | |
|---|---|---|---|---|---|---|---|---|
| | Number of Projects | Amount | Number of Projects | Amount | Number of Projects | Amount | Number of Projects | Amount |
| MONTANA | 2 | 9,204 | 2 | 24,326 | | | 4 | 33,530 |
| NEBRASKA | | | | | 2 | 10,240 | 2 | 10,240 |
| NEVADA | | | 1 | 70,000 | | | 1 | 70,000 |
| NEW HAMPSHIRE | 1 | 2,826 | | | 2 | 20,000 | 3 | 22,826 |
| NEW JERSEY | 7 | 104,505 | 13 | 283,465 | 9 | 148,998 | 29 | 536,968 |
| NEW MEXICO | 6 | 96,024* | 5 | 329,521* | 3 | 93,115 | 14 | 518,660* |
| NEW YORK | 19** | 636,717 | 8 | 179,978 | 22 | 676,929 | 49 | 1,493,624 |
| NORTH CAROLINA | 2 | 67,592 | 2 | 6,022* | | | 4 | 73,614* |
| NORTH DAKOTA | 4 | 11,358 | 6 | 30,283 | 5 | 21,200 | 15 | 62,841 |
| OHIO | | | 34 | 1,127,006 | | | 34 | 1,127,006 |
| OKLAHOMA | 1 | 4,000 | 1 | 3,000 | | | 2 | 7,000 |
| OREGON | 4 | 33,226* | 14 | 213,078* | 1 | 4,927 | 19 | 251,231* |
| PENNSYLVANIA | 18 | 483,562* | 12 | 147,677* | 30 | 405,286 | 60 | 1,036,525* |
| RHODE ISLAND | 3 | 1,426* | 4 | 60,152 | 1 | 685 | 8 | 62,263* |
| SOUTH CAROLINA | | | | | | | 0 | 0 |
| SOUTH DAKOTA | 1 | 25,000 | 1 | 109,000 | 1 | 10,000 | 3 | 144,000 |
| TENNESSEE | 3 | 82,568* | 9 | 199,622* | | | 12 | 282,190 |
| TEXAS | 10 | 356,112 | 5 | 132,243 | 9 | 1,091,919 | 24 | 1,580,274 |
| UTAH | | | | | | | 0 | 0 |
| VERMONT | | | | | | | 0 | 0 |
| VIRGINIA | 5 | 14,195* | 1 | 52,840* | 17 | 108,463 | 23 | 175,498* |
| WASHINGTON | 7 | 56,501* | 7 | 69,429* | | | 14 | 125,930* |
| WEST VIRGINIA | 6 | 105,420* | 14 | 134,363* | 13 | 99,129 | 33 | 338,912* |
| WISCONSIN | 3 | 62,050 | 5 | 68,653 | 12 | 193,224 | 20 | 323,927 |
| WYOMING | | | 13 | 74,080 | | | 13 | 74,080 |
| PUERTO RICO | | | | | 1 | 94,528 | 1 | 94,528 |
| | 271 | 6,535,280 | 283 | 6,606,416 | 206 | 5,414,218 | 760 | 18,555,914 |

*Includes funding charged to fiscal years other than FY 1978.
**Includes three projects which did not require FY 1978 funding.

## USING THIS REPORT

Project descriptions identified and acquired through the cooperation of RCU directors are presented in Section I of the publication; Section II contains the subject index. Appendixes list the state directors of vocational education and RCU directors. Guidelines for preparing project resumes were adopted from the *ERIC Processing Manual*, and subject terms were selected from the *Thesaurus of ERIC Descriptors*. Each resume includes bibliographic information and a summary focusing on project objectives and procedures. The sample resume on page xvi provides an explanation of the terms used. Resumes are organized alphabetically by state; by section (131, 132, and 133) within each state; and alphabetically by project title within each section. Photocomposition services for this publication were provided by ORI, Inc., Information Systems Division, 4833 Rugby Avenue, Suite 303, Bethesda, Maryland 20014.

### Related Reports

A companion report of projects administered by the Bureau of Occupational and Adult Education, U.S. Office of Education (BOAE/USOE) was published for FY 1976, 1977, and 1978. These reports are available from ERIC as ED 138 782, ED 151 611, and ED 173 622 respectively. For a historical record of vocational education programs supported by federal legislation in FY 1970-1977, readers are directed to a two-volume annotated bibliography. The first volume, *Research and Development Projects in Vocational Education, Fiscal Years 1970-1977, Federally Administered Projects*, published in January 1979 (ED 170 532), contains resumes of research projects, exemplary and innovative projects, curriculum development projects, and bilingual vocational training programs administered by the BOAE/USOE. The second volume, *Research and Development Projects in Vocational Education, Fiscal Years 1970-1977, State-Administered Projects*, published in January 1980, identifies research and exemplary programs administered by state departments of education. Additional related publications are listed on the inside back cover.

# SAMPLE RESUME

**ACCESSION NUMBER** — **AR 78 0246**

**PROJECT TITLE** — **Plan for the Development and Implementation of a Performance-Based Student Training Program in Health Occupations.**

**DIRECTOR(S)** — **Project Director:** Bilger, Phyllis

**CONTRACTING ORGANIZATION** — **Organization:** Garrett-Keyser-Butler Community School District, Garrett, Ind.

**ORGANIZATION ADDRESS** — **Address:** 801 East Houston Street, Garrett, IN 46738

**FUNDING PERIOD** — **Funding Period:** Start Date 1 Sep 77; End Date 31 Aug 78

**FISCAL YEAR FUNDING** — **Fiscal Year Funding:** $18,000

**EXPLANATORY NOTE** — **Note:** This project also received $9,439 under Sec. 132 and $1,500 under Sec. 135 for FY 1978.

**ADMINISTERING AGENCY** — **Sponsoring Agency:** Indiana State Board for Vocational and Technical Education, Indianapolis

**CONTRACT OR STATE CONTROL NUMBER** — **Contract and/or Control No.:** 56-78

**DESCRIPTORS**—subject terms which indicate substantive content. Only major terms preceded by an asterisk are printed in the subject index. — **Descriptors:** Curriculum Development, Employment Qualifications, Entry Workers, *Health Occupations, Inservice Teacher Education, *Job Skills, *Learning Modules, Nursing, *Paraprofessional Personnel, *Performance Based Education, Postsecondary Education, *Program Development

**IDENTIFIERS**—additional identifying terms not found in the *Thesaurus of ERIC Descriptors* — **Identifiers:** Project HOPE, Unlicensed Medication Personnel

**INFORMATIVE ABSTRACT** —

A training program, patterned after the structure formulated by the performance-based student training component of Project HOPE, will be developed for unlicensed medication (paraprofessional) personnel in the nursing category of health occupations. Project staff will revise and print eight field-tested modules developed in the third year of Project HOPE; develop, field test, and evaluate instructional objectives, criterion-referenced tests, and resources for twenty-two cognitive areas of study for the program; and conduct teacher training sessions on its use. Four tasks of the medication area, above the level of unlicensed medication personnel, but no higher than licensed practical nurse (LPN) will be analyzed. Instructional objectives, criterion-referenced tests, and resources will be developed, field tested, and evaluated for these tasks. A qualifications profile and a state proficiency examination based on the competencies for beginning level unlicensed medication personnel will be developed. Additional products will be developed that, when added to the performance-based student training program, could be incorporated into established postsecondary and adult programs in the nursing category such as LPN and geriatric technician. A final report will be prepared, and products will be disseminated to the State Board of Vocational and Technical Education; HOPE, Inc.; and other groups.

## SECTION I
## PROJECT RESUMES

# ALABAMA

## Curriculum Development (Sec. 133)

**AR 78 0001**

**Curriculum Management in Vocational-Technical Education.**
**Project Director:** Drake, Bob; Iverson, Maynard
**Organization:** Auburn Univ., Ala.
**Address:** Auburn, AL 36830
**Descriptors:** Curriculum Design, Curriculum Development, *Educational Coordination, *Educational Planning, *Information Needs, *Management Information Systems, *Needs Assessment, Postsecondary Education, Secondary Education
**Funding Period:** Start Date 1 Jul 77; End Date 30 Sep 78
**Fiscal Year Funding:** $50,000
**Sponsoring Agency:** Alabama State Dept. of Education, Montgomery. Div. of Research and Evaluation
**Contract and/or Control No.:** RCU-029

The purpose of the project is to determine priorities for curriculum development and curriculum management functions in vocational-technical education in Alabama and to develop a curriculum development plan. Specific objectives are to (1) identify the state's critical needs areas for curricular information and materials in occupational subjects at all levels; (2) identify the state's critical needs areas for curriculum development and curriculum management functions in vocational-technical education; (3) identify and/or develop an operational model for classifying, sequencing, and systematizing curricular information and materials in vocational-technical education; and (4) develop operational procedures for collecting, classifying, and evaluating the content of curricular information and materials, including materials needed for special group learners, for teaching occupational subjects at all levels. Procedures will include: (1) utilizing a steering committee; (2) conducting invitational conference of state educators to assess state's curriculum development efforts; (3) establishing curriculum development priorities and identifying available curriculum development and management resources; and (4) developing a curriculum development and management plan.

# ALASKA

## Research (Sec. 131)

**AR 78 0002**

**Assessment of Inservice Training Needs.**
**Project Director:** Daugherty, Ron
**Organization:** Northern Inst. for Research, Training and Development, Anchorage, Alaska
**Address:** Commission on Postsecondary Education, Alaska Center for Staff Development, 650 International Airport Road, Anchorage, AK 99502
**Descriptors:** Consortia, *Educational Needs, *Education Service Centers, *Industrial Education, *Inservice Teacher Education, Interagency Cooperation, Models, Needs Assessment, *Outreach Programs, Preservice Education, Program Development, *Rural Education, Systems Approach
**Funding Period:** Start Date 28 Feb 78; End Date 31 Dec 78
**Fiscal Year Funding:** $16,854
**Sponsoring Agency:** Alaska State Dept. of Education, Juneau
**Contract and/or Control No.:** V86908 (4716-78)

A system for identifying vocational education inservice training needs will be developed, and a model center for outreach services will be established for implementing the industrial education project. In addition, an interagency consortium will be developed to identify and update the preservice training needs of vocational education personnel. Final reports entitled "Results of Vocational Education Inservice Training" and "A Rural Industrial Education Outreach Center: A Systems Approach" will be delivered.

**AR 78 0003**

**Identifying Promising Practices.**
**Project Director:** Daugherty, Ron
**Organization:** Northern Inst. for Research, Training and Development, Anchorage, Alaska
**Address:** Commission on Postsecondary Education, Alaska Center for Staff Development, 650 International Airport Road, Anchorage, AK 99502
**Descriptors:** *Auto Mechanics, *Demonstration Programs, *Information Dissemination, Models, Pamphlets, *Program Descriptions, *Program Development, *Program Evaluation, Publications
**Funding Period:** Start Date 28 Feb 78; End Date 31 Dec 78
**Fiscal Year Funding:** $4,837
**Sponsoring Agency:** Alaska State Dept. of Education, Juneau
**Contract and/or Control No.:** V8698 (4719-78)

Summaries of fifteen to seventy exemplary vocational programs will be included in a publication developed and printed for use by local schools in program implementation. The final project report will include findings, procedures, instruments used, and recommendations for future action towards evaluating auto mechanics as a model for vocational education evaluation.

## Curriculum Development (Sec. 133)

**AR 78 0004**

**Bush Vocational Education Delivery Projects–Welding.**
**Project Director:** Rogers, Sam
**Organization:** Alaska Univ., Anchorage
**Address:** Rural Education Affairs Office, 2221 Northern Lights Boulevard, Anchorage, AK 99504
**Descriptors:** *Delivery Systems, Educational Research, Formative Evaluation, Itinerant Teachers, *Mobile Educational Services, Models, *Program Development, *Rural Areas, *Rural Education, Systems Development, *Welding
**Funding Period:** Start Date 15 Mar 78; End Date 30 Sep 78
**Fiscal Year Funding:** $10,000
**Sponsoring Agency:** Alaska State Dept. of Education, Anchorage
**Contract and/or Control No.:** V85703 (3608-78)

A model vocational education delivery system for providing onsite training in welding to sparsely populated and geographically isolated villages will be researched, developed, field tested, and evaluated. Welding was selected as the program for field testing because of complexities in the requirements of electrical needs, extremely heavy weight, and logistical problems. The report on this project will include details on problems encountered and offer insight into providing vocational training in remote areas accessible only by boat and/or airplane.

**AR 78 0005**

**High School Credit by Contract.**
**Project Director:** Cooksey, Wanda
**Organization:** Alaska State Dept. of Education, Juneau. Correspondence Study
**Address:** Pouch F, Juneau, AK 99811
**Descriptors:** Agricultural Production, Boatmen, Computer Science, *Correspondence Courses, *Course Objectives, *Credit Courses, Curriculum Development, Flight Training, Foods Instruction, *Instructional Materials, *Learning Activities, Money Management, *Performance Contracts, Sewing Instruction
**Identifiers:** Small Engine Repair
**Funding Period:** Start Date 10 Mar 78; End Date 15 Oct 78
**Fiscal Year Funding:** $1,856
**Sponsoring Agency:** Alaska State Dept. of Education, Juneau
**Contract and/or Control No.:** V87302 (4917-78)

A methodology and framework for study by correspondence will be provided for the following vocational courses: boating skills and seamanship, boatbuilding, food and food preparation, gardening, livestock raising, salmon aquaculture, sewing, knitting and needlework, small engine repair, taxidermy and tanning, trapping, training animals, work experience, computer skills, budget and family finance, and Jeppesen ground training. The contract for each course will result in at least one half credit toward graduation. Materials, including the objectives and activities for course completion and instructional materials, will be delivered.

**AR 78 0006**

**Poultry Production Program Development.**
**Project Director:** Finch, Warren
**Organization:** Northwest Community Coll., Nome, Alaska
**Address:** Box 400, Nome, AK 99762
**Descriptors:** *Agricultural Production, *Climatic Factors, Course Organization, *Curriculum Guides, *Pamphlets, *Program Development, Rural Schools
**Identifiers:** Chickens, Chick Incubation, *Poultry Production
**Funding Period:** Start Date 28 Feb 78; End Date 30 Jun 79
**Fiscal Year Funding:** $3,000
**Sponsoring Agency:** Alaska State Dept. of Education, Juneau
**Contract and/or Control No.:** V88302 (3628-78)

A poultry production program including course outlines, sequence, and requirements will be developed for use in rural schools. This format will be applicable to other small livestock production areas. A sixty-seven page booklet providing information for coping with arctic conditions will be produced.

**AR 78 0007**

**Small Engine Service and Maintenance Lesson Plan Packet.**
**Project Director:** Finch, Warren
**Organization:** Northwest Community Coll., Nome, Alaska
**Address:** Box 400, Nome, AK 99762
**Descriptors:** *Equipment Maintenance, Individualized Instruction, *Lesson Plans, *Rural Schools, *Teaching Guides, Units of Study, *Visual Aids
**Identifiers:** *Small Engine Repair
**Funding Period:** Start Date 20 Mar 78; End Date 28 Feb 79
**Fiscal Year Funding:** $1,938
**Sponsoring Agency:** Alaska State Dept. of Education, Juneau
**Contract and/or Control No.:** V88304 (3636-78)

A lesson plan packet for small engine service and maintenance will be developed for use in rural schools. The packet, containing visual aids, will emphasize use of simple and handmade tools and will include an individualized unit designed to be used with reference texts. The unit will be field tested in the local schools.

**AR 78 0008**

**Vocational Curriculum Development for Rural Schools.**
**Project Director:** Van Slyke, Robert
**Organization:** Southwest Regional Schools, Dillingham, Alaska
**Address:** Box 196, Dillingham, AK 99576

**Descriptors:** *Business Education, Curriculum Development, Curriculum Evaluation, *Curriculum Guides, *Fisheries, *Home Economics Education, *Industrial Education, Instructional Materials, Rural Schools
**Funding Period:** Start Date 28 Feb 78; End Date 31 Mar 79
**Fiscal Year Funding:** $4,927
**Sponsoring Agency:** Alaska State Dept. of Education, Juneau
**Contract and/or Control No.:** V84401 (5266-78)

Course sequence outlines for business education, industrial education, and home economics will be developed and organized around a fisheries cluster. Adopted and developed for use in the Southwest Regional School District, the materials will be applicable for schools in communities where fishing is the primary industry. Project staff will continue work with the curriculum implementation process model for implementing, evaluating, and revising vocational education curriculum materials currently in use.

**AR 78 0009**

**Vocational Programs Materials Development.**
**Project Director:** Davis, Gene
**Organization:** Anchorage Borough School District, Alaska
**Address:** 4600 DeBarr Road, Anchorage, AK 99504
**Descriptors:** Child Care, Clothing Instruction, Commercial Art, Curriculum Development, *Curriculum Guides, Drafting, Electricity, Electronics, Elementary Secondary Education, Foods Instruction, Graphic Arts, *Home Economics Education, *Industrial Education, *Instructional Materials, Interior Design, Masonry, Metals, Photography, *Sequential Programs, Sewing Instruction, Transportation, Woodworking
**Identifiers:** Surveying (Geography)
**Funding Period:** Start Date 28 Feb 78; End Date 31 Aug 78
**Fiscal Year Funding:** $19,981
**Sponsoring Agency:** Alaska State Dept. of Education, Juneau
**Contract and/or Control No.:** V80501 (153-78)

Course guides and sequences will be developed for the following industrial education courses: industrial education K-12, electronics and electricity, metals, masonry, woodworking, photography, graphic arts, transportation I and II, survey I and II, drafting I and II, architectural drafting, and engineering drafting. Guides and sequences will be developed for the following home economics courses: home economics K-12, commercial art, interior design, interior decorating, child care, menswear, creative stichery, quick sew, and foods I, II, and III. In addition, a guide for developing vocational curriculum will be produced.

# ARIZONA

## Research (Sec. 131)

**AR 78 0010**

**Faculty-Developed, Competency-Based Instruction**
**Project Director:** Giallonardo, Louis
**Organization:** Maricopa County Community Coll. District, Mesa, Ariz.
**Address:** Mesa, AZ 85202
**Descriptors:** Curriculum Development, *Individualized Instruction, Instructional Materials, *Learning Modules, Material Development, *Models, *Performance Based Education, *Teacher Developed Materials
**Identifiers:** *Open Entry Open Exit
**Funding Period:** Start Date 12 Jun 78; End Date 30 Sep 78
**Fiscal Year Funding:** $4,980
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix, Div. of Vocational Education

Objectives of this project are to (1) research competency-based educational (CBE) methods, approaches and extant programs; (2) develop working models for CBE instruction in diverse occupational areas; (3) prepare for implementation in 1978-79 academic year a CBE instructional package; and (4) develop written "cookbook" materials to be available to interested faculty and administrators. Procedures will be to (1) initiate literature search and contact potential consultants; (2) establish a steering committee consisting of administrators and faculty representative of the several occupational program areas, and have this committee evaluate literature and consultant materials; (3) compile CBE literature and consultants' input; (4) commission three faculty members to develop one or more CBE models; and (5) produce the model(s) and prepare technical and managerial reports. End product will be a technical report containing a review and evaluation of CBE literature, description of CBE model construction, and a model CBE curriculum.

**AR 78 0011**

**In-Depth Study to Investigate Vocational Needs.**
**Project Director:** Hutt, Roger; Rowe, Ken
**Organization:** Arizona State Univ., Tempe. College of Business Administration
**Address:** Tempe, AZ
**Descriptors:** *Educational Needs, *Educational Planning, *Educational Research, *Needs Assessment, Program Development, Program Planning, Research Utilization
**Funding Period:** Start Date 14 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $14,530
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix, Div. of Vocational Education

Project objectives are to (1) determine high priority vocational education programming needs which should be addressed by the Research Coordinating Unit; (2) determine new, high potential programs which could be developed to address high priority vocational education programming needs which are identified in objective number one listed above; and (3) determine existing programs which are presently being planned or implemented by Arizona educational institutions to address high priority needs identified. Procedures will be to (1) select sample of opinion leaders; (2) use descriptive research method for achieving objectives; (3) collect data by interview guide and record answers by audio tape recorder; (4) analyze data by summary of participants' responses; and (5) content analyze responses to each question. Specifically, procedures for Objective I will be to code each theme representing a different priority, indicate a frequent count for each category and show total number of priority items; for Objective II, identify program specialist respective to priority areas specified and invite program specialists to participate in group conferences to develop solutions to specific priority needs; for Objective III, pertinent data will be collected in conjunction with the research procedures for achieving Objectives I and II by including appropriate questions to the interview guides used in achieving the first two objectives.

**AR 78 0012**

**Perceptions of Business Education Programs in Selected Tucson Area High Schools.**
**Project Director:** Clark, Sally N.
**Organization:** Arizona Univ., Tucson. College of Education
**Address:** Tucson, AZ 85721
**Descriptors:** *Business Education, Educational Research, *Office Occupations Education, *Program Attitudes, Program Improvement, Questionnaires, *Research Utilization, Secondary Education, *Surveys
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 78
**Fiscal Year Funding:** $5,000
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix. Div. of Vocational Education

The purpose of this project is to develop a questionnaire to be used to ascertain the perceptions of students, teachers, counselors and administrators regarding current programs in business and office education. Procedures will be to (1) develop questionnaire to be used; (2) get approval of questionnaire; (3) contact schools to be surveyed (administration and staff); (4) print questionnaire; (5) administer questionnaire; and (6) analyze results of questionnaire using appropriate statistical procedure.

**AR 78 0013**

**Special Research Project in Agricultural Education Postsecondary Manpower Needs.**
**Project Director:** Hubura, David
**Organization:** Arizona Univ., Tucson. Board of Regents
**Address:** Tucson, AZ 85721
**Descriptors:** *Agricultural Education, *Agricultural Technicians, Employment Opportunities, Employment Potential, *Employment Projections, Employment Statistics, Geographic Distribution, *Manpower Needs, Occupational Clusters, *Occupational Surveys, Postsecondary Education, *Salaries
**Funding Period:** Start Date 15 Apr 78; End Date 30 Sep 78
**Fiscal Year Funding:** $5,000
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix. Div. of Vocational Education

Objectives of this project are to (1) establish, in selected areas of Arizona, the number of technical level employment opportunities in specific agricultural job clusters; (2) determine the salary level associated with each technician level agricultural job cluster identified; and (3) produce a written report detailing the findings in one and two above. Procedures will be to use the data base of names and addresses of 2,200 Arizona agricultural employers established by the University of Arizona College of Agriculture, and to prepare, conduct, tabulate, and analyze data from a mail and telephone survey of these businesses to determine the employment and salary data noted in objectives one and two. The survey is expected to produce detailed manpower data by job cluster and geographic area essential to planning for agricultural technician vocational training programs in Arizona.

## Exemplary and Innovative (Sec. 132)

**AR 78 0014**

**A Demonstration Model for the Students, Teachers, and Parents in the World of Careers.**
**Project Director:** Moffett, Gene D.
**Organization:** Casa Grande Elementary School District 4, Ariz.
**Address:** Casa Grande, AZ
**Descriptors:** *Career Development, *Career Exploration, *Demonstrations (Educational), Elementary Education, Material Development, *Models, Parent Participation, Student Participation, Teacher Participation, *Units of Study
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $8,400
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix. Div. of Vocational Education

Objectives of this project are to (1) design, develop and implement an early, indepth career exploration model for all grades K-8; (2) use five career exploration work stations for the purpose of demonstration; (3) give students an opportunity to participate in at least one area of early, indepth career exploration activities; and (4) involve parents in career development through school-related activities, in classes, and as career resource persons. Procedures will include (1) completing activities and project implementation; (2) promoting participation by students and teachers; (3) completing the packaging of six career units for integration aid implementation in regular classrooms within the

district; and (4) promoting parental and community involvement. The end product will be five portable work station units with documented reports as to their effectiveness in Casa Grande elementary schools.

**AR 78 0015**

**Education Community Center for Students Leading to Educational or Vocational Placement (Jobology Center).**

**Project Director:** Walton, Barbara
**Organization:** Scottsdale Unified School District 48, Ariz.
**Address:** Scottsdale, AZ 85018
**Descriptors:** Ancillary Services, High School Students, Individualized Instruction, *Job Placement, Material Development, *Occupational Information, *Program Development, *Resource Centers, *Resource Materials, *Supplementary Educational Centers
**Funding Period:** Start Date 7 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $40,578
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix. Div. of Vocational Education

Objectives of this project are to develop (1) resource information concerning businesses and industries within the Phoenix metropolitan area; (2) individualized self-assessment and skill development media and instructional materials; (3) support services for curriculum development preparing students to use the B.I.E. Center; (4) support for a district-wide job clearinghouse service; and (5) future gathering of differing views concerning futuristic approaches to business/industrial education centers. Youth will use resources company profiles of local businesses and industries as part of the job placement process, and will also use self-assessment and skill development instruments as part of the job placement process. Support services will be provided to the district's placement coordinator, teachers, counselors, and high school career center personnel who are working to assist youth in career choice and placement. The Delphi Technique will be conducted with educators, the community, and leaders concerned with future-oriented development, and to initiate discussion of long range planning policies. Products will include resource material on developing placement programs and services at the high school level and a collection of catalogs, bulletins, workbooks, etc., related to job placement readiness and development of company profiles.

**AR 78 0016**

**Self-Management for the Transitional Student.**

**Project Director:** Jacobs, Duane
**Organization:** Eastern Arizona Coll., Thatcher
**Address:** Thatcher, AZ 85552
**Descriptors:** *Career Planning, Class Activities, Curriculum Development, *Daily Living Skills, Decision Making Skills, *Goal Orientation, *Individual Development, Individual Needs, Motivation, Program Development, Self Actualization, *Self Evaluation, *Student Participation, Transitional Classes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $16,800
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix. Div. of Vocational Education

Objectives of this project are to develop a self-management course designed to provide direct instruction for participation of students enrolled in it and provide a self-management climate by providing administration, faculty and related staff to third phase self-management and personal development experiences and classroom management whereby the student will encounter "self-management" in classroom activities, social activities, career planning and job preparation activities. Two hundred students will develop a self-management plan of action as explained by completed plans of action. These students will have an opportunity to use/analyze life and career planning elements including sex stereotype analysis. At least sixty administrators and faculty members at Eastern Arizona College will complete the last of a three-phase, self-management project as evidenced by the activities in the project and the development of personal management plans of action. Products will include (1) a bibliography of source materials; (2) library acquisition of significant related materials; (3) printed materials in the form of letters and brochures to be disseminated to secondary and community college personnel; and (4) self-evaluation media such as a workbook or handbook, or a series of classroom models.

**AR 78 0017**

**Yavapai County Plan for Vocational Education.**

**Project Director:** Bergman, Ed
**Organization:** Yavapai Coll., Prescott, Ariz.
**Address:** Prescott, AZ 86301
**Descriptors:** County Programs, *Data Bases, *Educational Needs, *Employment Opportunities, Employment Qualifications, *Labor Market, *Management Information Systems, Manpower Needs, Program Development, *Program Planning, Regional Planning
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $37,324
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix. Div. of Vocational Education

Procedures will be to (1) develop a county plan for the establishment and implementation of computerized recording of retrieval system; (2) establish and implement a program to identify occupational training needs in Yavapai county; (3) establish and implement a program to identify project labor market opportunities and needs in Yavapai county; (4) specify and update performance requirements of each family of occupants for basis of instructional planning; and (5) pool and coordinate curriculum resources and ancillary services, and develop program planning procedures. Products will include a written document describing the procedures for executing a countywide plan and a document describing the procedure for establishing a computer data base for planners and counselors.

## Curriculum Development (Sec. 133)

**AR 78 0018**

**Arizona Skills Curriculum Project.**

**Project Director:** Riddle, Jack
**Organization:** Maricopa County Skill Center, Phoenix, Ariz.
**Address:** Phoenix, AZ 85007
**Descriptors:** Audiovisual Aids, *Auto Mechanics (Occupation), Clerical Workers, Curriculum Development, Educational Resources, *Individualized Instruction, *Learning Modules, Material Development, *Teacher Developed Materials, *Typists, *Welders
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $7,500
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix. Div. of Vocational Education

The purpose of this project is to develop and produce for dissemination a minimum of 140 individualized learning packets as distributed in the cluster areas of clerk-typist, automotive mechanics, and welding. This project will consist of development, production, and dissemination of individualized learning packets. The present curriculum coordinators at Tucson Skill Center and Maricopa County Skill Center and the instructor writers at both centers will produce fifty-five clerk-typist packets, thirty-five automotive mechanics packets and fifty welding packets. Appropriate audiovisual materials will also be developed as the instructor writers identify the need for such materials.

**AR 78 0019**

**Curriculum Proposal for Health Occupations Education.**

**Project Director:** Saad, Thomas J.
**Organization:** Arizona State Board of Directors for Community Colleges, Phoenix
**Address:** Phoenix, AZ 85007
**Descriptors:** Associate Degrees, Community Colleges, Curriculum Development, *Health Occupations Education, *Job Skills, Needs Assessment, *Nursing, *Performance Based Education, Postsecondary Education
**Funding Period:** Start Date 1 Apr 78; End Date 30 Sep 78
**Fiscal Year Funding:** $10,000
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix. Div. of Vocational Education

The objective of this project is to develop terminal competencies for graduates of associate degree nursing programs in rural and urban community colleges in Arizona. Procedures will be to (1) determine the competency areas appropriate to associate degree nursing graduates; (2) devise a list of specific competencies for each area appropriate to associate degree nursing graduates; (3) provide industry input and reaction to the list of competencies resulting in a revised list; and (4) finalize and endorse the list of competencies resulting in approved document.

**AR 78 0020**

**Distributive Education Curriculum Project–Phase II.**

**Project Director:** Antrim, William
**Organization:** Arizona Univ., Tucson
**Address:** Tucson, AZ 85721
**Descriptors:** Curriculum Development, *Distributive Education, *Employment Qualifications, Entry Workers, *Job Skills, *Performance Based Education
**Funding Period:** Start Date 15 Apr 78; End Date 15 Aug 78
**Fiscal Year Funding:** $9,000
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix. Div. of Vocational Education

**Contract and/or Control No.:** 338-11

This phase of the project continues the development of distributive education competency-based curriculum for use by Arizona DE teacher/coordinators. Specifically, it is intended to complete the career level curriculum and to update the entry-level materials. The end product will be a 500-page competency-based career level DE curriculum in a three-ring binder.

**AR 78 0021**

**Intensified Office Laboratory–Curriculum Workshop.**
**Project Director:** Thomas, Violet
**Organization:** Arizona Univ., Tucson. College of Education
**Address:** Tucson, AZ 87521
**Descriptors:** Business Education, *Curriculum Enrichment, *Experiential Learning, *Individualized Instruction, Instructional Materials, *Learning Modules, *Office Occupations Education, Secondary Education, *Teacher Developed Materials, Teacher Workshops
**Funding Period:** Start Date 1 Jul 77; End Date 5 Aug 77
**Fiscal Year Funding:** $15,633
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix. Div. of Vocational Education

The goal of this project is to assist educators in developing materials for enrichment of the existing secondary school business curriculum in the state of Arizona. Objectives are the following: (1) each teacher participating in the two week workshop will be assigned to an office in the Phonenix area to complete work stations based on the actual materials and procedures used in that office; and (2) each participating teacher will develop laboratory materials (based on the actual office procedures) to be used in the classroom. Procedures will be to (1) select director of the workshop; (2) select fifteen business education teachers to participate; (3) select business offices in the Phoenix area including those with branch offices and similar occupational positions throughout Arizona; (4) fifteen business education teachers will each conduct an occupational analysis of a work station in business offices in Phoenix, Arizona; and (5) each workshop participant will develop training packets for a complete work station based on actual materials and procedures used in a specific position within a specific office.

**AR 78 0022**

**Postsecondary Office Mid-Management Curriculum.**
**Project Director:** Thomas, Violet
**Organization:** Saint Johns County Schools, St. Augustine, Fla.
**Address:** Tucson, AZ 85721
**Descriptors:** Activity Units, Business Education, Curriculum Development, *Curriculum Enrichment, *Experiential Learning, Individualized Instruction, Instructional Materials, *Learning Modules, *Management Education, *Middle Management, Office Occupations Education, Postsecondary Education, *Teacher Developed Materials, Teacher Workshops
**Funding Period:** Start Date 30 Apr 78; End Date 1 Jul 78
**Fiscal Year Funding:** $13,466
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix. Div. of Vocational Education

The goal of this project is to assist educators in developing curriculum materials for enrichment of the existing postsecondary business and office curriculum in Arizona. Each instructor participating in the three-week workshops will be assigned to an office in the Phoenix area to develop a complete work station based on actual materials and procedures used in that office. Each participating instructor will develop curriculum materials at the office mid-management level to be used in the postsecondary classroom.

**AR 78 0023**

**Power and Automotive Articulation.**
**Project Director:** Hirata, Ernest
**Organization:** Arizona State Univ., Tempe
**Address:** Tempe, AZ
**Descriptors:** *Articulation (Program), *Auto Mechanics, Curriculum Development, *Curriculum Guides, Industrial Education, Postsecondary Education, *Power Mechanics, Program Development, Program Improvement, Secondary Education, *Task Analysis, *Teacher Developed Materials, Trade and Industrial Education
**Funding Period:** Start Date 1 Jul 77; End Date 1 Jun 78
**Fiscal Year Funding:** $14,513
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix. Div. of Vocational Education

The purpose of this project is to develop an articulated power mechanics/auto mechanics program to include grades seven-fourteen. Procedures will be to (1) Assemble twenty-five teachers from the industrial arts and trade and industry to do a task analysis; (2) review task analysis and determine levels each task is to be taught; and (3) develop curriculum materials reflecting the above tasks. Curriculum guides and source materials will be the end product of the project.

**AR 78 0024**

**Strategies, Techniques, and Effective Resources for Equalizing Opportunities (STEREO).**
**Project Director:** Kote, Mary
**Organization:** Maricopa County Skill Center, Phoenix, Ariz.
**Address:** Phoenix, AZ 85007
**Descriptors:** Curriculum Development, *Educational Opportunities, Educational Resources, *Educational Strategies, *Equal Education, Handicapped Students, Material Development, *Resource Materials, Sex Discrimination, *Sex Fairness, *Sex Stereotypes
**Funding Period:** Start Date 15 Aug 77; End Date 30 Aug 78
**Fiscal Year Funding:** $11,452
**Sponsoring Agency:** Arizona State Dept. of Education, Phoenix. Div. of Vocational Education

Project objectives are to collect, develop, print, and disseminate curriculum materials designed to overcome sex bias and sex stereotyping in vocational education. Procedures will be to develop in loose-leaf format a notebook containing materials designed to assist vocational education personnel in eliminating sex bias and sex stereotyping. Notebook contents will include activities for the handicapped, policies and procedures of the Arizona Department of Education, legislation, labor market data, structured experiences, and a resource bibliography.

# ARKANSAS

## Research (Sec. 131)

**AR 78 0035**

**Development, Field Test, and Dissemination of a Comprehensive Curriculum Guide in Exploratory Business.**
**Project Director:** Clayton, Dean; Ruby, Ralph
**Organization:** Arkansas Univ., Fayetteville
**Address:** Fayetteville, AR
**Descriptors:** Accounting, *Business Education, Business Education Teachers, *Business Skills, Clerical Occupations, Curriculum Development, *Curriculum Guides, Data Processing, Formative Evaluation, *Instructional Materials, Management, Marketing, *Performance Based Education, Secretaries
**Funding Period:** Start Date 1 Jul 77; End Date 30 Sep 78
**Fiscal Year Funding:** $18,250
**Sponsoring Agency:** Arkansas State Dept. of Education, Little Rock
**Contract and/or Control No.:** C7783

This research and development project will develop and field test instructional materials for an exploratory business curriculum guide, utilizing the Mid-American Vocational Curriculum Consortium format. It will coordinate, develop and implement competency-based materials designed to maximize students' experiences and competencies in four clusters of business education: management and finance, accounting and data processing, marketing and sales, and secretarial and clerical skills. The format of the project includes two workshops, field tests and follow-up seminars.

**AR 78 0026**

**Model to Develop a School-Community-Based, Adult Education Program.**
**Project Director:** Robertson, Larry; Marshall, Martha
**Organization:** Cabot Public Schools, Ark.
**Address:** Cabot, AR
**Descriptors:** *Adult Education Programs, *Educational Coordination, Educational Improvement, Educational Needs, Educational Opportunities, *Models, *Program Planning, *Rural Schools, *School Community Cooperation, School Community Relationship
**Funding Period:** Start Date 1 Aug 76; End Date 30 Jul 78
**Fiscal Year Funding:** $10,822
**Sponsoring Agency:** Arkansas State Dept. of Education, Little Rock
**Contract and/or Control No.:** C7781

This model adult education program is designed to improve the coordination of adult education classes and to improve the quality and quantity of adult education opportunities. It will provide educational experiences that will meet the vocational and avocational needs of the community, thus establishing a better school-community relationship. A model plan will be developed and field tested for conducting adult education programs that can be adopted and adapted for use by small and medium sized districts in rural areas.

**AR 78 0027**

**Utilizing Professional Counseling Services to Reduce the Dropout Rate in Postsecondary Vocational-Technical Education.**
**Project Director:** Lieblong, Burl
**Organization:** Crowley's Ridge Vocational Technical School, Forrest City, Ark.
**Address:** Forrest City, AR
**Descriptors:** *Counseling Services, *Dropout Prevention, Dropout Programs, *Dropout Rate, Educational Programs, Evaluation Criteria, *Postsecondary Education, *Staff Improvement, Student Ability, Student Needs, Student Problems, *Success Factors
**Funding Period:** Start Date 1 Aug 76; End Date 30 Aug 78
**Fiscal Year Funding:** $18,600
**Sponsoring Agency:** Arkansas State Dept. of Education, Little Rock
**Contract and/or Control No.:** C7782

To reduce the overall dropout rate of students in the three participating schools, this project will identify potential early school leavers in vocational and technical schools and endeavor to minimize or eliminate difficulties that prevent these students from succeeding in an occupational training program. A preassessment module will be developed and efforts made to improve staff competencies in identifying and dealing with student problems. Professional counseling services will be made available on a weekly basis at each of the three participating schools to work with staff and students. It is anticipated that this project will provide a systematic design for identifying student needs which impede their success in occupational programs, a workable plan to enhance student ability and progress, and a staff with increased skills in meeting student needs to minimize the dropout rate.

## Exemplary and Innovative (Sec. 132)

**AR 78 0028**

**Broadening Occupations, Aspirations and Opportunities for Youth.**
**Project Director:** Taylor, Martha
**Organization:** Little Rock Public Schools, Ark.
**Address:** Little Rock, AR 72201
**Descriptors:** Area Vocational Schools, *Career Awareness, Career Planning, *Disadvantaged Youth, *Dropout Prevention, Elementary Secondary Education, Equal Education, Experiential Learning, *Job Placement, Job Skills, *Occupational Guidance, Occupational Information, Student Placement, *Student Recruitment, Work Attitudes
**Funding Period:** Start Date 1 Jul 76; End Date 30 Jun 79
**Fiscal Year Funding:** $14,638
**Sponsoring Agency:** Arkansas State Dept. of Education, Little Rock
**Contract and/or Control No.:** D7631(3394)

A student recruiting specialist will assist in promoting student enrollment in vocational and technical education programs, thus establishing a model for student recruitment procedures. Job placement and counseling services will be offered to disadvantaged students who are potential dropouts. The career guidance components of the project include the development of materials and information for course selection and student placement at the secondary school level. Group and individual counseling will be offered with emphasis on minority groups and equity for all. To increase students' understanding of the nature of work, career experience will include hands-on activities, guided tours, skilled demonstrations, and shadowing. Career planning and job search methods will be considered, and occupational information offered. For students grades 1-6, an elementary career awareness component will be offered. The components of this project, providing increased interest in the work of work and increased knowledge about occupational options, can be adopted at other area schools.

**AR 78 0029**

**Curriculum Development for Vocational Agriculture.**
**Project Director:** Castleman, Clayton
**Organization:** Stuttgart School District, Ark.
**Address:** Stuttgart, AR 72160
**Descriptors:** Agricultural Education, *Agricultural Occupations, Agricultural Skills, Community Involvement, *Curriculum Development, *Curriculum Guides, Horticulture, Information Dissemination, *Inservice Teacher Education, *Skill Development, Teaching Skills, *Vocational Agriculture
**Funding Period:** Start Date 1 Jul 76; End Date 30 Jun 79
**Fiscal Year Funding:** $43,211
**Sponsoring Agency:** Arkansas State Dept. of Education, Little Rock
**Contract and/or Control No.:** 07632(2355)

Six curriculum guides will be developed in the areas of Agriculture Structures, Farm Machinery, Agriculture Metal Working, Elements of Farm and Building Layout, Soybean and Rice Production, and Horticulture. These guides will be written, field tested, reviewed by an advisory committee and then rewritten and finalized for availability to all agriculture education programs in Arkansas and surrounding states through the Mid-America Vocational Curriculum Consortia. Inservice training will be provided to facilitate the acquisition of these skills necessary to teach and develop curriculum in highly specialized agricultural areas. Additional inservice programs and workshops will be offered to teachers from other districts to update and evaluate the curriculum guides. Efforts will be made to obtain community involvement. A transportable model to develop and update curriculum guides based on present and future job market needs will result from the project.

**AR 78 0030**

**Specific Career Orientation Readiness.**

**Project Director:** Bryant, Marilyn

**Organization:** Gateway Vocational Technical School, Batesville, Ark.

**Address:** Batesville, AR 72501

**Descriptors:** Access to Education, Area Vocational Schools, Career Choice, *Career Education, Career Planning, *Dropout Prevention, Equal Education, Material Development, Nondiscriminatory Education, Staff Improvement, *Student Evaluation, Student Needs, *Success Factors, *Vocational Aptitude, *Work Sample Tests

**Funding Period:** Start Date 15 Nov 77; End Date 1 Nov 80

**Fiscal Year Funding:** $19,853

**Sponsoring Agency:** Arkansas State Dept. of Education, Little Rock

**Contract and/or Control No.:** D7832(3392)

Potential Gateway Technical School students will be assisted in making career training decisions, thus reducing the high percentage of students who discontinue vocational training before program completion. A pre-enrollment aptitude evaluation program will be developed and implemented for each training area. Orientation materials will then be developed to acquaint potential students with career field prior to enrollment. Efforts will be made to create an awareness of nontraditional roles and to promote equal access to the vocational programs. The job sampling standards needed to determine the applicant's aptitude for a given area will be established. Staff competencies in aiding students in career decision making and in identifying, solving, or referring student needs to other guidance services will be improved. In order to fill test job sampling tasks and other pre-enrollment activities, other vocational schools in Arkansas will participate in the project.

# CALIFORNIA

## Research (Sec. 131)

**AR 78 0031**

**California State-Wide Dissemination System for Vocational Education.**
**Project Director:** Darling, Robert; Morris, William
**Organization:** California State Dept. of Education, Sacramento
**Address:** 721 Capitol Mall, Sacramento, CA 95814
**Descriptors:** *Delivery Systems, *Information Dissemination, *Management Information Systems, *Program Evaluation, *Program Planning
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $128,893
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 60-10000-3-8-828

Existing and needed dissemination activities and resources will be identified and integrated into a state-wide system responsive to the local school level. Goals include assessing the characteristics of current dissemination activities, developing a dissemination model, developing a communication system within the state department of education whereby key agents or units can share and plan dissemination activities and resources, identifying implementation strategies for a dissemination model, and evaluating the products and services of an ongoing dissemination system.

**AR 78 0032**

**Developing a Supplementary Vocational Student Information System.**
**Project Director:** Sheldon, M. Stephen
**Organization:** Center for Study of Community Colleges, Woodland Hills, Calif.
**Address:** 6201 Winnetka Avenue, Woodland Hills, CA 91371
**Descriptors:** *Community Colleges, Enrollment Influences, *Information Systems, *Longitudinal Studies, *Program Development, Student Adjustment, *Student Attitudes, *Student Evaluation, Student Needs
**Funding Period:** Start Date 1 May 78; End Date 30 Jun 79
**Fiscal Year Funding:** $125,400
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 453

A set of procedures will be field tested to obtain rapid and complete answers about students that cannot be found in computerized data banks now in use. A project leader in ten representative junior colleges will be trained to conduct a longitudinal study using small-sampling procedures. The quality of the samples will be checked by comparing demographic variables of selected students with the population from which they were drawn. Participating students will be interviewed on a predetermined schedule regarding their aspirations, perceptions about the college and its programs, reasons for success or failure in work settings, reasons for staying in or dropping out of school, and desires for further training. In addition, answers will be souqht to the following questions: To what extent does sex or ethnic bias inhibit enrollments in certain programs? Are limited English speaking or non-English speaking students subtly but effectively encouraged to drop out? Are instructional procedures improper for certain types of students? How can curriculum be modified so that more students succeed? State-wide reports will be issued from combined individual college reports. By the end of the project's first year, it should be determined whether the small-sample, longitudinal approach is appropriate and feasible for qathering state-wide data for supplying the chancellor's office with information to assist colleges, for reporting to federal agencies, and for guiding other state organizations in influencing needed legislation.

**AR 78 0033**

**Development of the California Occupational Information System (COIS).**
**Project Director:** Van Zant, John
**Organization:** Ventura County Superintendent of Schools, Calif.
**Address:** County Office Building, Ventura, CA 93009
**Descriptors:** *Computer Programs, *Data Bases, Data Collection, *Management Information Systems, *Needs Assessment, *Occupational Information, Program Development
**Funding Period:** Start Date 1 Dec 77; End Date 30 May 78
**Fiscal Year Funding:** $80,000
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 030

Current California Manpower Management Information System (CMMIS) activities will be transferred to and adapted by the federally mandated State Occupational Information System (SOIS) established by this project. Activities will include identification of data needs, adoption of the data base, development of a data dictionary and data collection instruments, and design of various output reports. A computer needs assesament will be a major focus.

**AR 78 0034**

**Dissemination through Use of Peer Consultants.**
**Project Director:** Colt, Irvin
**Organization:** Mount San Antonio Coll., Walnut, Calif.
**Address:** 1100 North Grand Avenue, Walnut, CA 91789
**Descriptors:** *Community Colleges, *Consultants, *Delivery Systems, *Human Resources, *Information Dissemination, *Peer Evaluation, Program Development, Program Effectiveness
**Funding Period:** Start Date 1 May 78; End Date 30 Jun 79
**Fiscal Year Funding:** $33,199
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 407

In order to provide more systematic dissemination of programs and services in the state, this project proposes to establish a list of vocational experts in the community colleges to serve as peer consultants. These experts will be identified with the help of college administrators and leaders in professional organizations; they will help districts and colleges implement new programs and services and contribute to more rapid dissemination of exemplary programs and services. After the list is established, college administrators will be informed of the services and how they may apply to receive them. State staff will meet with peer consultants and review procedures. The consultants will report their findings and present an evaluation of their activities to state staff. The district will also evaluate the service received from the consultant. The recommendations made by the consultants will be reviewed by state staff and sent to the district for implementation.

**AR 78 0035**

**Evaluation Model for Vocational Education Programs for the Handicapped.**
**Project Director:** Miltenberger, Jerry L.
**Organization:** Fullerton Union High School District, Calif.
**Address:** 2600 East Nutwood Avenue, Fullerton, CA 92631
**Descriptors:** *Cost Effectiveness, Evaluation Criteria, *Evaluation Methods, *Handicapped Students, *Models, Parent Attitudes, *Program Development, *Program Evaluation, Seminars, Stereotypes, Success Factors, Workshops
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $63,183
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 146

A model for evaluating vocational education programs for the handicapped will be developed using previously developed success criteria in conjunction with process and impact evaluation strategies and cost analysis procedures. Vocational education programs for the handicapped in seven school districts will be surveyed and program costs examined to relate program success to cost factors. The research team will examine parental attitudes toward programs for the handicapped and address stereotyping of the handicapped. The resulting evaluation model will include methods for conducting process and impact evaluation and cost analyses. A monograph of the implementation and applications of the evaluative model will be provided as well as workshops held at ten locations throughout the state to train vocational educators in the use of the model.

**AR 78 0036**

**Home Study Courses/Programs Needs Assessment for Occupational Education–Phase I.**

**Project Director:** Beam, Roger D.
**Organization:** Cerritos Coll., Norwalk, Calif.
**Address:** 11110 E. Alondra Boulevard, Norwalk, CA 90650
**Descriptors:** Community Colleges, Correspondence Study, Delivery Systems, *Educational Alternatives, *Educational Needs, Educational Research, *Feasibility Studies, *Home Study, *Needs Assessment, *Nontraditional Students
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 79
**Fiscal Year Funding:** $13,400
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 419

A needs assessment to research community interest in home study courses for occupational education will be conducted. Phase I of the project will test the thesis that many persons, including single parents, disadvantaged, and handicapped, today lack the time and financial resources required for traditional college programs and need alternative educational delivery systems. Project findings will be disseminated state-wide to assist other districts.

**AR 78 0037**

**Identification of Curriculum and Services Necessary to Train Students for New and Emerging Manpower Needs and Job Opportunities: A Model System.**
**Project Director:** MacLain, Nancy
**Organization:** Orange County Dept. of Education, Santa Ana, Calif.
**Address:** P.O. Box 11846, 1300 S. Grand, Santa Ana, CA 92711
**Descriptors:** *Curriculum Planning, Disadvantaged Youth, *Educational Needs, *Employment Opportunities, Handicapped Students, Job Skills, Job Training, *Performance Based Education, Sex Fairness, *Task Analysis
**Identifiers:** *Emerging Occupations
**Funding Period:** Start Date 1 Apr 78; End Date 1 Mar 79
**Fiscal Year Funding:** $38,772
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 842

A system capable of state-wide adaptation will be established to identify the vocational education curricula and services necessary to train students for new and emerging occupations. Project staff will identify the subject occupations, identify required competencies, evaluate existing curriculum and services for their relevance to training requirements of the new occupations, and provide resources to vocational program planners for development of additional curriculum and services. A concrete analysis of actual task performance will focus on the real skills, knowledge, and attitudes essential to the job and thereby help eliminate artificial barriers against women and handicapped and disadvantaged persons.

**AR 78 0038**

**Identify, Analyze, and Disseminate Information about Opportunities for Males and Females in Nontraditional Occupations.**
**Project Director:** Carvell, Fred
**Organization:** Carvell Education Management Planning, Los Altos, Calif.
**Address:** P.O. Box 531, Los Altos, CA 94022
**Descriptors:** Curriculum Research, *Employment Opportunities, Employment Patterns, *Employment Trends, *Information Dissemination, *Nontraditional Occupations, *Occupational Information, Publicize, *Work Attitudes
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $43,000
**Sponsoring Agency:** California State Dept. of Education, Sacramento

Data about opportunities in nontraditional occupations will be identified, analyzed and disseminated. A comprehensive research effort will identify employment patterns and trends in California and define nontraditional occupations. Factual and attitudinal information about such job opportunities will be analyzed and the demands and impact of nontraditional occupations on the men and women who hold them will be described. Finally, information will be assembled, packaged, and disseminated to teachers, counselors, and students involved in preparatory programs for nontraditional occupations. Data collection procedures will involve onsite visits to selected vocational education programs at the secondary level, ROC/Ps, community colleges, and other training agencies. In-depth interviews will be held with men and women in nontraditional occupations in selected firms and organizations. Final products will include a technical report for the state containing findings and suggestions for future curriculum and counseling priorities; 250 copies of an illustrated manual for use by classroom teachers, counselors, and students; and excerpts. An optional final phase of the project will involve an organized promotion and distribution of the materials to interested vocational programs in the state.

**AR 78 0039**

**Maintenance and Development of the California Manpower Management Information System.**
**Project Director:** Van Zant, John
**Organization:** Ventura County Superintendent of Schools, Calif.
**Address:** County Office Building, Ventura, CA 93009
**Descriptors:** *Access to Education, *Cost Effectiveness, *Information Dissemination, Job Skills, *Management Information Systems, *Occupational Information, Program Evaluation, Sex Discrimination, *Sex Fairness, Sex Stereotypes, Task Performance
**Funding Period:** Start Date 1 Sep 77; End Date 31 Dec 78
**Fiscal Year Funding:** $250,000
**Sponsoring Agency:** California State Dept. of Education, Calif.

The development, implementation, and dissemination activities of the California Manpower Management Information System (CMMIS) will be continued. CMMIS will be renamed the California Occupational Information System (COIS). Four major priority areas will be the availability of occupational education, the occurrence of sex bias and stereotyping in vocational education, a cost analysis of vocational education, and the performance requirements of jobs and vocational education programs. Data collection procedures will be modified to provide continuous decision making information on the availability of vocational education to California residents. Data will be provided on the accessibility of programs and services to persons according to age, sex, race, geographical location, types of programs or services, and physical, academic, or economic handicaps. A sub-system will be designed to provide for continuous assessment of the state's progress in reducing sex bias, sex stereotyping, and sex discrimination in vocational education. Data collection procedures will also be modified to provide continuous information related to the costs of vocational education programs and services in California.

**AR 78 0040**

**Merging Occupations in Agriculture: Impact upon Curriculum and People.**
**Project Director:** Thompson, O. E.
**Organization:** California Univ., Davis
**Address:** Davis, CA 95616
**Descriptors:** Agribusiness, Agricultural Education, *Agricultural Occupations, *Agricultural Skills, Community Colleges, *Disadvantaged Groups, Employment Opportunities, *Females, *Guidelines, Job Skills, Mexican Americans, *Nondiscriminatory Education, Secondary Education
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $19,270
**Sponsoring Agency:** California State Dept. of Education, Sacramento

Components of this project will include (1) providing curriculum guidelines for agricultural educators based on a study of the attitudes of farm operators and agribusiness managers regarding the employment of females and the disadvantaged, (2) identifying barriers that hinder females and the disadvantaged from entering employment at other than low-skilled levels and reviewing instructional materials to identify sex bias and stereotyping, and (3) testing models for increasing the employment of females and the disadvantaged in the upper levels of agriculture. Agricultural teachers and administrators at the secondary and community college levels will be involved in all phases of the project, and other state and federal agencies dealing with employment and training of agricultural workers will be involved to ensure that the findings and recommendations will be incorporated into the educational system.

**AR 78 0041**

**National Occupational Information Coordinating Committee (NOICC) Priority Developmental Projects.**
**Project Director:** Van Zant, John
**Organization:** Ventura County Superintendent of Schools, Calif.
**Address:** 535 E. Main Street, Ventura, CA 93009
**Descriptors:** Guides, *Information Networks, *Information Utilization, *Interagency Coordination, *Management Information Systems, *Occupational Information, Organizational Communication, Pamphlets, *Publications, Workshops
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $100,000
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 020

The purpose of NOICC is to improve the coordination and communication in the use of occupational information by vocational education and CETA planners, administrators, researchers, and others, and to work with and fund State Occupational Information Coordinating Committees (SOICCs). The Ventura County superintendent of schools office will serve as the prime contractor in this project to gather and consolidate existing procedures, methods, concepts, and definitions as they relate to NOICC responsibilities in the following six priority areas: (1) a handbook and visual aids for SOICC training workshops, (2) an inventory of state and local occupational information system efforts, (3) a NOICC brochure, (4) NOICC seminars and symposiums, (5) an inventory of NOICC related federal activities, and (6) a compendium of NOICC-related systems and terms. Project activities will be coordinated between project staff and NOICC staff and, as appropriate, with Vocational Education Data System (VEDS) staff. NOICC staff will monitor the project

through regular staff meetings.

AR 78 0042

**Research Design and Development of a One Year and Five Year Comprehensive Plan for California Business Education.**
**Project Director:** Maxwell, G. W.
**Organization:** San Jose State Coll. Foundation, Calif.
**Address:** San Jose, CA 95192
**Descriptors:** *Business Education, *Distributive Education, *Educational Research, *Office Occupations Education, *Program Development, School Industry Relationship
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $74,498
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 60-10000-3-8-212

A one-year and five-year state-wide plan to meet the needs of office and distributive education programs will be developed. Project staff will conduct research and involve the business community in developing this plan.

AR 78 0043

**Research for Women: Sex Stereotyping, Nontraditional Jobs, and Vocational Training.**
**Project Director:** McClure, Jesse F.; Hamilton, Gilbert
**Organization:** California State Dept. of Education, Sacramento
**Address:** 6000 J Street, Adm. 169, Sacramento, CA 98519
**Descriptors:** Apprenticeships, Economically Disadvantaged, Economic Climate, *Educational Programs, *Feasibility Studies, *Females, Housewives, Job Skills, Minority Groups, *Nontraditional Occupations, Nontraditional Students, Sex Fairness, *Sex Stereotypes, Skill Development, Welfare Recipients
**Identifiers:** *Work Incentive Program
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $65,000
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 8105

A study will be conducted to examine and analyze the feasibility of developing a training program for work incentive (WIN) program recipients and displaced homemakers (i.e., poor and minority women) to reduce barriers to employment of women in nontraditional jobs. Analysis will be made of the economic trends related to the shifting employment of women from traditional to nontraditional occupations and the barriers such as lack of educational skills and training, and job discrimination, which prevent women from entering the occupations. The research premise is that the barriers preventing women from employment in nontraditional areas such as craft, construction, mechanic, repair, and supervisory blue collar jobs can be remedied through a rigorous training program in work-related skills and union apprenticeship programs. If results support the premise, a demonstration project will be implemented to increase the employability of female WIN and displaced homemaker participants.

AR 78 0044

**Study of Word Processing Competencies with Implications for Training of Handicapped/Disadvantaged Students.**
**Project Director:** Robison, Shelba
**Organization:** Saddleback Community Coll. District, Mission Viejo, Calif.
**Address:** 28000 Marguerite Parkway, Mission Viejo, CA 92675
**Descriptors:** Community Colleges, *Curriculum Research, *Data Processing Occupations, *Disadvantaged Youth, *Handicapped Students, Office Occupations Education, Postsecondary Education, Sex Fairness, Sex Stereotypes, *Student Needs
**Funding Period:** Start Date 10 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $21,631
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 425

This project will elicit the necessary data and then develop a word-processing curriculum that will better serve the needs of handicapped and disadvantaged students. The conclusions and recommendations resulting from the study will help to eliminate the void of information regarding the word processing phase of office education. Results will be made available to other community colleges and training institutions through publications and the development of media production. Also emphasized in the project will be the elimination of sex bias and stereotyping. The evaluation process will be integrated into the total project.

## Exemplary and Innovative (Sec. 132)

AR 78 0045

**Continuation and Expansion of the California Landscape Placement Project to Include Electronics and Mechanized Agriculture.**
**Project Director:** Holman, Howard
**Organization:** Butte Community Coll., District, Oroville, Calif.
**Address:** Route 1, Box 183A, Oroville, CA 95965
**Descriptors:** *Agricultural Engineering, Community Colleges, Curriculum Development, Educational Programs, Electronics Industry, Employment Opportunities, Employment Qualifications, Entry Workers, Job Market, *Job Placement, *Job Training, *Landscaping, Postsecondary Education, *School Industry Relationship, *Student Placement
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 79
**Fiscal Year Funding:** $28,080
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 470

Project activities will be continued to finalize the linkage of community college curriculum to entry-level job requirements of the landscape industry. The project will be expanded to include standardized curriculum, industry credibility, and student placement data for electronic and mechanized agriculture; it will be made self-supporting through student and industry participation and user financing.

AR 78 0046

**Cooperative Student Placement Service.**
**Project Director:** Pratte, George
**Organization:** Santa Clara County Superintendent of Schools, San Jose, Calif.
**Address:** 100 Skyport Avenue, San Jose, CA 95112
**Descriptors:** Community Colleges, *Cooperative Programs, *Employment Services, *Job Placement, Junior Colleges, *Outreach Programs, Senior High Schools, Spanish Speaking, *Student Placement, *Vocational Counseling
**Funding Period:** Start Date 1 Apr 78; End Date 30 Sep 78
**Fiscal Year Funding:** $11,578
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 43-10439-3-8-832

The project will expand operation of the Cooperative Student Placement Service (CSPS), begun in 1977 as a cooperative venture of two high school districts, a community college district, a regional occupational program (ROP) and two offices of the Employment Development Department. The area served by CSPS has a large number of Spanish speaking persons. The project aids students in finding jobs, provides job counseling, and operates outreach placement offices on the high school campuses. The proposed expansion involves hiring a full-time job developer and liaison person who will expand contact with employers, vocational education graduates, and vocational education students as well as organize job counseling resources and a "Job Fair" in the Spring of 1978. Materials necessary to accomplish these objectives will be organized and printed.

AR 78 0047

**Microcomputer-Based Tutorial and Career Guidance Services.**
**Project Director:** Birch, Mary
**Organization:** Martinez Unified School District, Calif.
**Address:** 921 Susana Street, Martinez, CA 94553
**Descriptors:** *Computer Oriented Programs, *Disadvantaged Youth, *Handicapped Students, Individual Counseling, Individualized Programs, Non English Speaking, *Occupational Guidance, Secondary Education, *Tutorial Programs
**Identifiers:** Limited English Speaking, *Microcomputers
**Funding Period:** Start Date 1 Feb 78; End Date 1 Feb 79
**Fiscal Year Funding:** $24,992
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 07-61739-3-8-171

The project will provide individualized career guidance and tutorial systems through the use of microcomputers, thus demonstrating that smaller and less affluent school districts in California can offer the same programs that larger districts provide through large computer systems. Tutorial and career information computer programs will be written to meet the special needs of disadvantaged, handicapped, and limited or non-English speaking students as well as students in general. Programs locally developed for large computers will be rewritten to demonstrate the feasibility of transferring to floppy disks the Eureka career information stored in a large computer. These microcomputer programs will disseminate career information to improve decision making among the target group. The tutorial programs will enable disadvantaged, handicapped, and limited or non-English speaking students to improve basic skills to job entry level and also to become familiar with the specialized vocabulary of their vocational area and of the world of work. The microcomputer system will be implemented at the area high school in Martinez which will become a demonstration center as the program expands. The system will be made available to students attending continuation or adult schools and private area high schools. A third party evalution will be conducted as well as additional appraisal by students and parents.

**AR 78 0048**

**Mobile Food Service Catering Project.**
**Project Director:** Bishop, Robert J.
**Organization:** Glenn County Schools, Willows, Calif.
**Address:** 525 West Sycamore Street, Willows, CA 95988
**Descriptors:** *Disadvantaged Groups, *Food Service, *Mentally Handicapped, *Physically Handicapped, Sheltered Workshops, *Vocational Rehabilitation
**Identifiers:** *Caterers
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $35,000
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 211

In order to provide training for ten handicapped and disadvantaged persons, a mobile food service van will be operated to service agricultural employees in the Glenn County region. The food service van will travel throughout the Hamilton City and Orland areas providing beverages, snacks, sandwiches, and packaged meals to farm and orchard workers and employees of food processing plants. The food will be prepared in the existing commercial restaurant facility located at the Sheltered Work Activity Center in Orland. Project personnel will include persons who are mentally retarded, physically handicapped, or otherwise disabled. Eight Sheltered Work Activity Center persons, most with prior food service training, will be employed in food preparation, packaging, and loading. The two van operators will be disadvantaged persons, preferably bilingual. When self-sustaining, the project will be integrated into the Sheltered Work Activity Center.

**AR 78 0049**

**A Proposal to Develop a Vocational Assessment System and Cooperative Work-Experience Model for Disabled Students.**
**Project Director:** Hammer, Beverly
**Organization:** Peralta Community Coll. System, Oakland, Calif.
**Address:** 2020 Milvia Street, Berkeley, CA 94704
**Descriptors:** Ancillary Services, *Cooperative Education, *Employment Potential, *Handicapped Students, *Job Skills, On the Job Training, Postsecondary Education, Program Development, Sex Fairness, *Student Evaluation, Student Needs, *Work Experience Programs
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 79
**Fiscal Year Funding:** $76,000
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 448

A vocational assessment system and a cooperative work-experience model will be developed for disabled students enrolled at Peralta College for Non-Traditional Study. The vocational assesament system will be used to ascertain the competencies of the students and prescribe appropriate training. Students will be assessed on their own merits and qualifications; sex-role and competency bias will be eliminated. The work-experience model will involve locating placement sites in community work settings, developing procedures and goals, establishing contracts, and providing support seminars appropriate to the needs of disabled students. College staff will provide students with on-the-job supervision; employers will receive support services to maximize assimilation of students into the work setting. The efficiency and effectiveness of the procedures will be evaluated by an advisory committee, employers, and students. A project report describing the implementation and providing recommendations for replication will be disseminated.

**AR 78 0050**

**State-wide Model for Vocational Education Student Job Placement Services.**
**Project Director:** Crear, Vernon
**Organization:** San Bernadino County Superintendent of Schools, Calif.
**Address:** 602 S. Tippecanoe Avenue, San Bernadino, CA
**Descriptors:** *Disadvantaged Youth, *Handicapped Students, Inservice Teacher Education, *Interinstitutional Cooperation, *Job Placement, *Models, Non English Speaking, Nontraditional Occupations, *Program Development, Statewide Planning, Student Placement
**Identifiers:** Limited English Speaking
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $45,000
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 204

A model and guidelines for establishing a cooperative job placement service for special needs students will be developed through a working relationship among a secondary school district, a community college district, and a local employment development department office. Special needs students, (i.e., disadvantaged, handicapped, limited English speaking, non-English speaking, and those seeking nontraditional occupations) who have completed or are about to complete a vocational education program, will be assisted in entering the job market. The model will be developed and demonstrated in three sites–inner city, suburban, and rural–in the first of three planned phases for statewide implementation. The second phase will involve field testing in a representative sample of sites with a strong inservice training component included. The third phase will consist of state-wide dissemination through planned demonstration sites, inservice training activities, and peer consultation services.

**AR 78 0051**

**Strengthening Reading and Writing Skills of Technical Vocational Students through a Cooperative Campaign Conducted by Language Arts and Technical Vocational Instructors.**
**Project Director:** Collins, Charles C.
**Organization:** Contra Costa Coll., San Pablo, Calif.
**Address:** 500 Court Street, Martinez, CA 94553
**Descriptors:** *Interdisciplinary Approach, *Language Skills, Program Evaluation, *Reading Instruction, Reading Skills, *Skill Development, Writing Skills
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 79
**Fiscal Year Funding:** $28,730
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 457

Improvement of the reading and writing skills of vocational students is the focus of this demonstration project. Language arts and vocational instructors will devise reading and writing tests relevant to the vocation studied. The language arts instructors will teach the vocational instructors how to teach reading and writing in the content of the vocational course and the vocational instructors will teach their language arts colleagues how to infuse vocational material into their reading and writing workshops. Special attention will be given to the problems of teaching the handicapped and efforts will be made to reduce sex and racial bias. The plan calls for the involvement of the feeder high schools, an invitational conference of community colleges for sharing project results, and a published end-of-grant monograph which will include a project evaluation.

**AR 78 0052**

**Vocational Education Youth Group Leadership Development.**
**Project Director:** Davis, Jerry T.
**Organization:** Sierra Coll., Rocklin, Calif.
**Address:** 5000 Rocklin Road, Rocklin, CA 95677
**Descriptors:** Community Colleges, *Disadvantaged Youth, *Handicapped Students, Interagency Cooperation, *Leadership Training, *Peer Teaching, Postsecondary Education, *Student Leadership, *Student Organizations, Student Projects, Workshops
**Identifiers:** Future Farmers of America
**Funding Period:** Start Date 1 May 78; End Date 1 Dec 78
**Fiscal Year Funding:** $5,100
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 172

Socioeconomically, economically, academically handicapped, and other handicapped and disadvantaged individuals from depressed urban and rural areas will be involved in vocational student organization leadership activities. State officers of the Future Farmers of America will train sixty students to conduct leadership development workshops in twenty-eight selected areas of the state. The cooperative project between a community college district and the Bureau of Agricultural Education will incorporate several innovative ideas, such as using peer instruction to increase involvement in vocational student organization activity, making teachers of the vocational students so they can effectively instruct their peers, using participants themselves as disseminators, eliciting cooperation and involvement from local education agencies and vocational teachers, having the design and procedure easily replicated, and using existing resources for a low operating cost.

## Curriculum Development (Sec. 133)

**AR 78 0053**

**Consolidated Services Demonstration Project.**
**Project Director:** Buchanan, James
**Organization:** Oxnard School District, Calif.
**Address:** 937 West Fifth Street, Oxnard, CA 93030
**Descriptors:** *Ancillary Services, *Basic Skills, *Career Education, Community Involvement, Compensatory Education, Curriculum Development, *Educationally Disadvantaged, Language Usage, Mathematics Instruction, *Occupational Guidance, *Prevocational Education, Reading Instruction, Secondary Education, Staff Improvement, Student Needs
**Funding Period:** Start Date 1 Sep 77; End Date 30 Oct 78
**Fiscal Year Funding:** $30,000
**Sponsoring Agency:** California State Dept. of Education, Sacramento

**Contract and/or Control No.:** 080

Needs of educationally disadvantaged youth will be met by promoting their achievement in basic skills and their successful participation in a comprehensive career education program. The student needs include skill development in reading, language usage, and mathematical computations as well as extended career guidance opportunities. Basic skill courses will place a greater emphasis on career-related activities and on learning activities to improve success in prevocational education classes. Teaching strategies will increase emphasis on meeting the basic language, reading, and math needs of educationally disadvantaged students. Counseling and guidance functions will expand to provide more opportunities for career awareness, career exploration, and selection of courses. Project goals will be met through an increased use of current school and community resources involving local school leadership, cooperation between the compensatory and vocational education staff, and increased community involvement. Emphasis will be placed on curriculum revision and staff development. The project will provide a more equal opportunity for the educationally disadvantaged and a more effective program for all school youth.

**AR 78 0054**

**Curriculum Development for Distributive Education.**
**Project Director:** Beall, Charles R.
**Organization:** California State Univ., Los Angeles
**Address:** 5151 State University Drive, Los Angeles, CA 90032
**Descriptors:** *Cocurricular Activities, Curriculum Development, *Curriculum Guides, Disadvantaged Youth, *Distributive Education, Handicapped Students, Inservice Teacher Education, *Performance Based Education, Secondary Education, Sex Fairness, Student Needs, Student Organizations, Student Participation, *Teacher Developed Materials
**Identifiers:** *Distributive Education Clubs of America
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $53,198
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 19-35044-3-8-8004

Competency-based distributive education curriculum will be developed to meet labor market needs for qualified distributive personnel with the skills, knowledge, and attitudes necessary for acquiring, adjusting to, and advancing in distributive occupations. The curriculum, written by teacher practitioners, will be field tested in five inner-city schools to determine the curriculum's effectiveness in meeting the special needs of disadvantaged and handicapped students. In addition, twenty-eight competency-based Distributive Education Clubs of America (DECA) competitive events will be developed by a teacher task force and pilot tested in a similar fashion. The DECA events will be implemented in eighty-five high schools, two districts, and two state career development conferences. Dissemination will be accomplished through inservice teacher training workshops and the delivery of the curriculum guide and DECA competency-based events to 200 California distributive education teachers. A third party will conduct a process and product evaluation with emphasis on ensuring that the products are free of sex bias and stereotyping.

**AR 78 0055**

**Curriculum Development for Health Career Courses.**
**Project Director:** Becket, James W.
**Organization:** Solano County School System, Fairfield, Calif.
**Address:** 655 Washington Street, Fairfield, CA 94533
**Descriptors:** Curriculum Development, *Curriculum Guides, Dental Assistants, Disadvantaged Youth, *Health Occupations Education, *Health Personnel, Hospital Personnel, Medical Assistants, Nursing, *Paramedical Occupations, Sex Fairness, *Teacher Developed Materials, Workshops
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $51,269
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 48-10488-3-8-827

Preliminary work on developing curriculum guides done at workshops attended by health occupations teaching and administrative personnel in June 1977 will be completed. Draft outline materials were developed in each of the four clusters of health occupations; dental auxiliary, nursing, medical assisting, and hospital health service. Project staff will develop these outlines into complete curriculum guides detailing goals, objectives, standards, and suggested teaching strategies for the clusters as well as some specific courses within the clusters. These materials will be free from sex bias and stereotyping and will include strategies to reduce the unbalanced ratios between the sexes in current health occupation enrollments. The guides also will contain strategies to help disadvantaged students enroll in, progress through, and be placed from health occupations courses. The materials will be field reviewed, revised and made available for use or further development. The project will be conducted through field site writing workshops headed by workshop facilitators and teachers from the subject areas.

**AR 78 0056**

**Curriculum Development for Water and Wastewater Treatment Plant Operators.**
**Project Director:** Jackson, Kenneth T.
**Organization:** Contra Costa Coll., San Pablo, Calif.
**Address:** San Pablo, CA 94806
**Descriptors:** Affirmative Action, Curriculum Development, *Educational Programs, *Learning Modules, Recycling, Sex Fairness, *Technical Occupations, *Waste Disposal, *Water Pollution Control, Water Resources
**Identifiers:** *Waste Water Treatment Plant Personnel
**Funding Period:** Start Date 1 Jan 78; End Date 31 May 79
**Fiscal Year Funding:** $39,310
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 436

A standardized curriculum will be developed to provide water and wastewater treatment plant operators with remedial and advanced training. The curriculum will contain a series of training modules which permit flexibility and responsiveness to five levels of operator certification, to changing technology, to learning abilities and needs of students, and to the needs of females and minorities. The Joint Education Committee of the California Water Pollution Control Association and the California Section of the American Water Works Association will serve as project advisors and evaluators. Consultants from the industry and education sectors will provide technical expertise. An effort will be made to overcome the present poor representation of females and minorities in the industry.

**AR 78 0057**

**Curriculum Development in Office Education.**
**Project Director:** Aiken, Brenton R.
**Organization:** California State Dept. of Education, Sacramento
**Address:** 721 Capitol Mall, Sacramento, CA 95814
**Descriptors:** *Cocurricular Activities, Curriculum Development, *Curriculum Guides, *Inservice Teacher Education, *Office Occupations Education, *Performance Based Education, Secondary Education, Sex Fairness, Sex Stereotypes, Student Organizations, Student Participation
**Identifiers:** *Future Business Leaders of America
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $11,200
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 60-10000-3-8-261

A task force of Future Business Leaders of America (FBLA) advisors will develop twenty-one competency-based competitive events for use in 154 California high schools. Inservice training will be provided to assist teachers in implementing the competitive events as a teaching strategy in office education programs. An FBLA competitive events handbook will be disseminated to each high school to further assist in program implementation. The project will aid in eliminating sex stereotyping by providing learning activities which encourage men to enroll and participate in FBLA activities. Project evaluation will include process and product evaluation by workshop participants, competitive events writers, students, and teachers.

**AR 78 0058**

**Development and Dissemination of Vocational Education Materials for Educationally Disadvantaged Persons.**
**Project Director:** Bilek, Robert C.; Griffen, John C.
**Organization:** Salinas Union High School District, Calif.
**Address:** 431 West Alisal Street, Salinas, CA 93901
**Descriptors:** *Basic Skills, Career Awareness, *Career Education, Consumer Education, *Curriculum Development, Decision Making, *Educationally Disadvantaged, *Instructional Materials, Interdisciplinary Approach, Occupational Information, *Prevocational Education, Secondary Education
**Funding Period:** Start Date 1 Jan 78; End Date 30 Sep 78
**Fiscal Year Funding:** $30,000
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 040

The project will produce vocationally oriented instructional materials for use with educationally disadvantaged youth. Vocational education teachers, along with teachers of basic skills classes, will cooperate in the development of the instructional materials. The instructional materials produced will include activities leading to the attainment of competencies needed for success in vocational programs and will also emphasize basic skill development. The materials will provide opportunities for the educationally disadvantaged student to become aware of vocations and careers, to attain selected consumer competencies, and to increase decision making skills. The products of the project will be published and made available to local educational agencies at cost of publication. All products will be described in project information packages prepared by the resource center and edited, published, and distributed by the state department of education. The project will receive both internal and third party external evaluations.

AR 78 0059

**Development of "California Business Education Program Guide for Office and Distributive Occupations" Common Core Instructional Materials for Limited English Speaking, Spanish Speaking Populations.**

**Project Director:** Dyer, Frank
**Organization:** Delano Joint Union High School District, Calif.
**Address:** 1331 Cecil Avenue, Delano, CA 93215
**Descriptors:** *Bilingual Education, Business Education, Core Curriculum, Curriculum Development, *Distributive Education, *Instructional Materials, Learning Modules, Multimedia Instruction, *Office Occupations Education, Performance Based Education, *Spanish Speaking, Workshops
**Identifiers:** *Limited English Speaking
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $86,246
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 60-10000-3-8-213

Multimedia instructional materials will be developed in Spanish to assist California local education agencies (LEAs) in implementation of the Common Core Units in Business Education (CCUBE) for limited English speaking (LES), Spanish speaking students. Project staff will (1) convert all CCUBE materials to the Spanish language; (2) prepare scripts and storyboards of all media productions in English and Spanish; (3) produce adequate copies of all written Spanish materials (master sets) and disseminate to requesting LEAs; (4) disseminate the Spanish media productions at competitive prices to requesting LEAs; and (5) train LEA personnel in the use of the Spanish CCUBE materials through workshops and demonstration programs.

AR 78 0060

**Development of Attitudinal Skills.**

**Organization:** Ceres Unified School District, Calif.
**Address:** P.O. Box 307, Ceres, CA 95307
**Descriptors:** Affirmative Action, *Curriculum Development, *Curriculum Guides, Disadvantaged Youth, *Employer Attitudes, Handicapped Students, *Individual Characteristics, Learning Activities, Secondary Education, Sex Fairness, Student Evaluation, *Vocational Adjustment, *Work Attitudes
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 79
**Fiscal Year Funding:** $45,338
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 50-71043-3-8-223

A curriculum model will be developed for guiding vocational teachers in helping students acquire attitudes, behaviors, and personal characteristics valued by employers. The model will contain measurable objectives and evaluation instruments for each of the identified attitudes, behaviors, and personal characteristics. Sample learning activities also will be included. Special emphasis will be placed on meeting the needs of the handicapped and disadvantaged student. The completed model will be sex fair and bias free and an affirmative action teaching strategy will be developed to identify areas requiring extra effort due to sex, race, or other stereotypes. Employers, teachers, and students from two Regional Adult and Vocational Education Council (RAVEC) areas will develop the curriculum model which will then be field tested, evaluated, and the results analyzed statistically. Revision will correct deficiencies, and the revised model and statistical analysis will be disseminated state-wide.

AR 78 0061

**Development of Curriculum for a Nontraditional Machine Tool Technology Program Accessible to the Physically Handicapped.**

**Project Director:** Brown, Robert N.
**Organization:** Chabot Coll., Hayward, Calif.
**Address:** 2555 Hesperian Boulevard, Hayward, CA 94545
**Descriptors:** Community Colleges, *Computer Programs, Curriculum Development, *Employment Opportunities, *Handicapped Students, Job Placement, *Machine Tool Operators, *Numerical Control, *Physically Handicapped, Postsecondary Education
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 79
**Fiscal Year Funding:** $59,877
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 439

To meet the vocational education needs of the physically handicapped and provide mainstream job opportunities, curriculum will be developed for a program at Chabot College in numerical control machining. Numerical control machining links computers to the operation and control of machines in industry and is readily adaptable to the job needs and abilities of the physically handicapped. Methods will be developed to counsel, train, and place handicapped applicants with companies in the San Francisco Bay area. The project will involve a training computer and student terminals, consultation with companies versed in teaching numerical control machining, consultation with the Center for Independent Living for guidance in dealing with the handicapped student, and software consultations and computer program writing. The project will be developed in concert with a community college and a regional occupational center. Findings will be made available to all schools throughout the state.

AR 78 0062

**Electricity/Electronics Curriculum Guide Phase II (Instructional Modules) Levels I, II, III.**

**Project Director:** Bush, Keith
**Organization:** East Side Union High School District, San Jose, Calif.
**Address:** 12660 North Capitol Avenue, San Jose, CA 95133
**Descriptors:** *Curriculum Development, *Curriculum Guides, *Electricity, *Electronics, Individualized Instruction, Industrial Education, Instructional Materials, Job Skills, *Learning Modules, *Performance Based Education, Secondary Education, State Curriculum Guides
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $40,000
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 43-69427-3-8-244

In Phase II of this project, individualized instructional learning modules for levels I, II, and III (grades 8-10) will be developed which will complete the project at three of the four levels of instruction (grades 7-14) for which state curriculum outlines, centered on a competency-based cluster approach, were developed in Phase I. The learning modules for approximately sixty major curriculum topics in these levels will contain instructional materials for both student and teacher, will be designed to be directly infused into existing classroom programs, and will provide students with necessary competencies for entry-level occupations or technical specialization. The results of a needs assessment survey conducted during Phase I will be used as the foundation for Phase II. The developed curriculum will provide an updated, articulated, and cohesive program of instruction; allow for maximum student mobility because of standardization; avoid duplication of high-cost instruction; and meet the needs of industry.

AR 78 0063

**Fire Prevention Officer–Competency-Based Standards and Curriculum.**

**Project Director:** Egan, Bob
**Organization:** San Jose Community Coll. District, Calif.
**Address:** 4750 Felipe Road, San Jose, CA 95121
**Descriptors:** Continuous Progress Plan, Curriculum Development, Educational Strategies, *Employment Qualifications, Females, *Fire Protection, Individualized Instruction, *Instructional Materials, *Nontraditional Occupations, *Performance Based Education, Performance Criteria, Service Occupations, *Sex Fairness, Sex Stereotypes, Standards
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $11,000
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 199

To facilitate both sexes' entry into and progress within the fire prevention field, a complete listing of minimum performance standards will be established for three career levels in the field. An accompanying competency-based curriculum will be developed, featuring personalized instruction, continuous progress, self-pacing and diagnostic activities. Creating these instructional materials will help overcome sexual bias and stereotyping and will assist women seeking employment in a nontraditional field. The materials will be disseminated to fire service and educational agencies throughout California.

AR 78 0064

**Instructional Materials Program–Phase I and Phase II.**

**Project Director:** LaMarine, Steven C.
**Organization:** California Polytechnic State Univ., San Luis Obispo
**Address:** San Luis Obispo, CA 93407
**Descriptors:** Community Colleges, Curriculum Development, Disadvantaged Youth, Formative Evaluation, Handicapped Students, *Instructional Materials, *Performance Based Education, Postsecondary Education, Secondary Education, Sex Fairness, Summative Evaluation, *Vocational Agriculture
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $85,000
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 40-30569-3-8-810

A competency-based curriculum material development effort in vocational agriculture will be conducted which will address the needs of secondary and community college students with additional emphasis on disadvantaged and handicapped students. Vocational Education Productions (VEP) at California Polytechnic State University will be assisted by the instructional materials program field advisory committee to select curriculum materials for development from pre-production to reproduction. Formative and summative evaluation data will be provided, and the target audience will be sampled to assess VEP's effectiveness in eliminating sex bias and stereotyping from the material

to be produced.

**AR 78 0065**

**Model Bilingual Medical/Dental Receptionist Program.**
**Project Director:** Barrios, Mario J.
**Organization:** San Francisco Community Coll. District, Calif.
**Address:** 33 Gough Street, San Francisco, CA 94103
**Descriptors:** Adult Vocational Education, *Bilingual Education, *Curriculum Development, *Dental Assistants, Economically Disadvantaged, Educational Needs, Job Placement, *Medical Assistants, Non English Speaking, Program Development, *Receptionists, Sex Fairness, *Spanish Speaking
**Identifiers:** Limited English Speaking
**Funding Period:** Start Date 1 Feb 78; End Date 28 Feb 79
**Fiscal Year Funding:** $24,888
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 443

The project will develop a model bilingual medical and dental clerical program for limited and non-English speaking (LES/NES) persons to be implemented by the San Francisco Community College District at its Mission Center site. The model curriculum will be used to train twenty-five Spanish bilingual men and women as medical or dental receptionists. They will then be placed in job positions in San Francico and the Bay area. The curriculum will be free of sex bias and suitable for the educational needs of the LES and NES Spanish speakers of San Francisco. The implemented program will recruit and train economically disadvantaged and unskilled Spanish bilingual adults.

**AR 78 0066**

**Office Skills for LES/NES Students.**
**Project Director:** Buchanan, James W.
**Organization:** Oxnard School District, Calif.
**Address:** 937 West Fifth Street, Oxnard, CA 93030
**Descriptors:** *Business Skills, Continuous Progress Plan, Curriculum Development, Diagnostic Teaching, *Educational Strategies, Individualized Instruction, *Non English Speaking, *Office Occupations Education, Pacing, Secondary Education, Sex Fairness
**Identifiers:** *Limited English Speaking, Open Entry Open Exit
**Funding Period:** Start Date 28 Aug 77; End Date 9 Jun 78
**Fiscal Year Funding:** $7,500
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 56-72546-3-8-179

An office skills class designed to be of equal value to boys and girls will be offered to limited English speaking and non-English speaking students (LES/NES). Personalized instruction in basic office skills will involve diagnosing, prescribing, motivating, and pacing. Classroom strategies will include open entry/open exit, continuous progress, and self-paced instruction. Products and techniques used will be disseminated to other local education agencies.

**AR 78 0067**

**Project EXCITE.**
**Project Director:** Vaughan, Glenn
**Organization:** Santa Clara County Superintendent of Schools, San Jose, Calif.
**Address:** 100 Skyport Drive, San Jose, CA 95110
**Descriptors:** *Articulation (Program), *Computer Managed Instruction, Curriculum Development, *Equipment Maintenance, *Guidance Programs, Job Skills, Labor Market, Learning Modules, Machine Repairmen, Manpower Needs, Performance Based Education, Postsecondary Education, Task Analysis, Task Performance, *Technical Occupations, *Videodisc Recordings
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $73,307
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 43-10439-3-8-833

An articulated vocational curriculum in maintenance technicians occupations with a computer/videodisc instructional guidance system will be developed between two levels of training at the San Jose Regional Center and the San Jose Community College. Analysis of local employer needs will include a detailed labor market study and an employer-ranked task and skill inventory for the maintenance occupations cluster. Onsite occupational task analysis will be conducted as well as an analysis of skills being taught in the classroom. Based on these analyses, task packets will be developed for nine skill areas not presently included in the local curricula. The guidance component will be a prototype demonstration of the computerized videodisc for guidance and instruction. Advantages of the videodisc are multimedia storage, rapid information access, and low-cost mastering, playback, and replication. The curriculum development model and guidance component will be designed for state-wide dissemination.

**AR 78 0068**

**Project Open Shop.**
**Project Director:** Roberts, Frank C.
**Organization:** Antelope Valley Coll., Lancaster, Calif.
**Address:** 3041 West Avenue K, Lancaster, CA 93534
**Descriptors:** *Auto Mechanics (Occupation), Curriculum Development, Educational Strategies, Individualized Instruction, Multimedia Instruction, *Performance Based Education, Postsecondary Education, *School Shops, Sex Fairness, *Trade and Industrial Education, *Welding
**Identifiers:** *Open Entry Open Exit
**Funding Period:** Start Date 1 Feb 78; End Date 1 Jun 79
**Fiscal Year Funding:** $18,296
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 458

Features of two models of instruction will be combined in a overlay system under a single instructor in order to improve trade and industry offerings in introductory auto mechanics and basic welding at Antelope Valley College. Open entry/open exit with credit for completing competency-based units of instruction, and lecture/laboratory and individualized multimedia instructional modes covering the same material will be used with some branching in the individualized system to allow for skill deficiencies. Students enrolling late will enter the self-instructional mode and thus prepare for entry into the conventional lecture/laboratory component. A college-wide occupational education sex stereotype committee will be formed to evaluate the system and materials for sex bias; recruitment also will compensate for sex stereotyping. The system plan will be derived from a survey and adaptation of learning schemes operating in the state.

**AR 78 0069**

**Vocational Education Needs Assessment Project.**
**Project Director:** Johnson, Louis; McIntyre, Chuck
**Organization:** Los Rio Community Coll. District, Sacramento, Calif.
**Address:** 1919 Spanos Court, Sacramento, CA 95825
**Descriptors:** Community Colleges, Curriculum Development, *Curriculum Planning, Curriculum Research, *Disadvantaged Groups, *Educational Assessment, *Educational Needs, Handicapped Students, Non English Speaking, Nontraditional Occupations, Nontraditional Students, Occupational Aspiration, Sex Fairness, *State Surveys, *Test Construction, Vocational Interests
**Identifiers:** Limited English Speaking
**Funding Period:** Start Date 15 May 78; End Date 30 Jun 79
**Fiscal Year Funding:** $75,600
**Sponsoring Agency:** California State Dept. of Education, Sacramento
**Contract and/or Control No.:** 440

To improve state- and regional-level planning and policy making, assist local curriculum planning and development, and identify barriers to vocational education in order to develop curriculum for disadvantaged, handicapped, limited and non-English speaking students, for both males and females in an effort to eliminate sex bias and stereotyping, for homemakers reentering the job market, and for those seeking nontraditional employment opportunities, the following activities will be conducted. A representative sample of 3,000 Californians will be questioned about their interest in community college vocational education programs (whether for first employment, retraining, or upgrading) and their specific occupational objectives. The survey questions and results will be expanded and assessment tools will be developed for testing in two standard metropolitan statistical areas (SMSA). Based on test results, the tools will be refined and then disseminated to districts through a series of publications, workshops, and seminars.

# COLORADO

## Research (Sec. 131)

**AR 78 0070**

**Investigation of the Vocational Director's Role and Responsibility in the Delivery and Evaluation of Disadvantaged and Handicapped Vocational Education Programs as Perceived by the Local Administrator.**

**Project Director:** Oshima, Asahi T.
**Organization:** Boulder Valley School District Re. 2, Colo.
**Address:** Boulder, CO
**Descriptors:** *Administrative Personnel, *Administrator Attitudes, Administrator Responsibility, Administrator Role, *Disadvantaged Youth, Educational Programs, *Handicapped Students, *Program Evaluation, State Surveys, *Vocational Directors
**Funding Period:** Start Date 1 May 78; End Date 30 May 79
**Fiscal Year Funding:** $5,490
**Sponsoring Agency:** Colorado State Dept. of Education, Denver
**Contract and/or Control No.:** 78R-05

A questionnaire will be sent to all Colorado local vocational directors and local district administrators of vocational education to assess and compare their perceptions toward the delivery and evaluation of vocational education programs for the disadvantaged and handicapped. Additional data will be collected through interviews and observations. The data will be used to identify evaluative criteria, components, functions, practices, and outcomes perceived to be significant and useful in program evaluation, and to develop an effective and efficient assessment model. A final report will be delivered.

**AR 78 0071**

**To Improve Postsecondary Vocational Funding.**

**Project Director:** Stoddard, Jack
**Organization:** Larimer County Vocational Technical Center, Ft. Collins, Colo.
**Address:** P.O. Box 2397, Ft. Collins, CO 80522
**Descriptors:** *Data Bases, *Data Collection, Decision Making, *Educational Administration, *Educational Finance, Educational Planning, Finance Reform, *Financial Support, Fund Raising, *Postsecondary Education, School Funds
**Funding Period:** Start Date 1 Apr 78; End Date 31 Dec 78
**Fiscal Year Funding:** $14,039
**Sponsoring Agency:** Colorado State Dept. of Education, Denver
**Contract and/or Control No.:** 78R-03

To improve the present fiscal data collecting system as well as overall funding for postsecondary vocational education in Colorado, data will be collected, and a credible data base of fiscal information on the present funding of postsecondary vocational programs in the state will be established. A search also will be made of various types of postsecondary funding systems in other states. Collected data will be shared with local directors and instructional administrators to aid them in management decisions. An analysis of the gathered data will help determine needed improvements in the present system or possible need for a new system; recommendations for alternative funding systems will be formulated.

**AR 78 0072**

**Training Local Vocational Administrators to Conduct Cost-Benefit Analysis of Vocational Programs.**

**Project Director:** Wallace, Harold R.
**Organization:** Colorado State Univ., Ft. Collins
**Address:** Ft. Collins, CO 80523
**Descriptors:** *Administrator Education, *Cost Effectiveness, *Feasibility Studies, *Instructional Materials, Material Development, Program Effectiveness, *Program Evaluation, Program Planning, *Vocational Directors, Workshops
**Funding Period:** Start Date 1 May 78; End Date 15 Dec 78
**Fiscal Year Funding:** $4,959
**Sponsoring Agency:** Colorado State Dept. of Education, Denver
**Contract and/or Control No.:** 78R-23

A workshop will be conducted to train fifteen local vocational administrators in the use of cost-benefit analysis. Further services will be provided through follow-up and by assisting the administrators in implementing cost-benefit analysis procedures. The results of the training and follow-up implementation will then be evaluated and the instructional materials and methods revised. Ten copies will be prepared of a report documenting the feasibility of cost-benefit analysis by local administrators, evaluating the effectiveness of the project, and identifying barriers and constraints to cost-benefit analysis in vocational program development and evaluation. The project will also produce ten copies of guidelines and materials for training vocational administrators in cost-benefit analysis procedures.

# CONNECTICUT

## Research (Sec. 131)

**AR 78 0073**

**Action Plan Development to Meet the Special Education and Vocational Education Needs of Secondary Students (Ages 13-21) in a Ten-Town Rural Setting.**
**Project Director:** Calchera, David T.
**Organization:** Area Special Education Association, Colchester, Conn.
**Address:** Hall's Hill Road, Colchester, CT 06415
**Descriptors:** *Educational Planning, Master Plans, *Needs Assessment, *Program Development, *Rural Areas, Secondary Education, *Special Education, *Student Needs
**Funding Period:** Start Date 3 Jan 78; End Date 1 Jun 78
**Fiscal Year Funding:** $4,000 (Charged to FY 1977)
**Note:** This project also received $400 in local funds for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 247600-78201

An action plan designed to meet the present and projected needs of the area's special education population for the next three to five years will be developed by a consultant and the Area Special Education Association (ASEA). In forming the plan, input will be coordinated from state education department personnel, school superintendents and principals, teachers, parents, and students. A needs assessment will be conducted of the ASEA secondary population to include a survey of presently identified exceptional children and their needs, and of presently allocated space and resources (including personnel). A final report will be delivered.

**AR 78 0074**

**Cost-Benefit Analysis of Vocational Education Programs in the Danbury, Connecticut Public Schools.**
**Project Director:** LaMar, Carl A.
**Organization:** Danbury Public School System, Conn.
**Address:** Mill Ridge, Danbury, CT 06810
**Descriptors:** City Demography, *Cost Effectiveness, *Data Analysis, Economic Factors, Educational Planning, *Evaluation Methods, *Program Evaluation
**Funding Period:** Start Date 12 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $3,282 (Charged to FY 1977)
**Note:** This project also received $396 in local funds for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 034100-78201

Results of a completed analysis for a base year will be disseminated to at least 100 public school districts throughout Connecticut to familiarize vocational, administrative, and other educators with cost-benefit analysis as a viable evaluative technique for assessing vocational education programs. Feedback will be sought from the receiving districts regarding the adequacy of the methodology in answering a set of seven interrelated cost-benefit analysis research questions. To produce the data for the documented analysis, Danbury's economic and demographic characteristics will be researched, and a cost-benefit analysis model for application to vocational education programs will be developed. The document will be based on conclusions drawn from the data and computations. Results will be incorporated into a five-year master plan for vocational education in Danbury.

**AR 78 0075**

**Curriculum Development, Machine Shop Training Program for the Handicapped.**
**Project Director:** Vail, James R.
**Organization:** Easter Seal Goodwill Industries Rehabilitation Center, New Haven, Conn.
**Address:** 20 Brookside Avenue, New Haven, CT 06515
**Descriptors:** Curriculum Development, *Job Training, *Machine Repairmen, Manuals, Mechanical Skills, Mechanics (Process), *Severely Handicapped, Skill Development, *Special Education, *Vocational Rehabilitation
**Funding Period:** Start Date 27 Mar 78; End Date 30 Jun 78
**Fiscal Year Funding:** $2,412 (Charged to FY 1977)
**Note:** This project also received $371 in local funds for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 807500-78201

A curriculum with a training manual will be developed for a machine shop training program to help provide vocational services for lower functioning and severely disabled persons. Input will be received from the machine shop training program instructor, the machine shop advisory committee, and professional vocational education consultants.

**AR 78 0076**

**Developing and Testing an Instrument to Assess Performance Skills That Are Important in a Variety of Occupations.**
**Project Director:** Jazwic, William
**Organization:** Norwich Board of Education, Conn.
**Address:** Mahan Drive, Norwich, CT 06360
**Descriptors:** Behavioral Objectives, Educational Programs, Employer Attitudes, *Job Skills, *Measurement Instruments, Secondary Education, *Student Evaluation, Teacher Attitudes, *Test Construction
**Funding Period:** Start Date 12 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $4,000 (Charged to FY 1977)
**Note:** This project also received $400 in local funds for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 104600-78201

Test exercises will be developed for identified skills important to success in many occupations, and the practicality of administering the exercises in Norwich occupational programs will be field tested. Employers and educators will be surveyed for their opinions about generalizing the test exercises across occupational fields and the potential of the exercises to measure on-the-job behavior. In developing the exercises, instruments often used to measure vocational program effectiveness in Connecticut will be reviewed, and appropriate junior and senior high school age group objectives will be selected from National Assessment of Educational Progress objectives for skills generally useful in careers. Master sets of the accepted exercise collection will be made for Norwich and for the Connecticut State Department of Education. A final report will be delivered.

**AR 78 0077**

**Development of a Building Maintenance, Carpentry, and Custodial Services Curriculum for Adolescent Special Education Students.**
**Organization:** Cooperative Educational Services, Norwalk, Conn.
**Address:** 11 Allen Road, P.O. Box 2087, Norwalk, CT 06852
**Descriptors:** *Carpenters, *Curriculum Design, *Custodian Training, Educational Programs, *Maintenance, *Performance Based Education, Program Evaluation, *Secondary Education, *Special Education
**Funding Period:** Start Date 12 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $4,000 (Charged to FY 1977)
**Note:** This project also received $2,179 in local funds for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 243100-78201

A competency-based curriculum in custodial services and building maintenance and carpentry will be designed and developed for adolescent special education students. Staff will review, research, and modify existing vocational curricula, working with a committee of parents, professionals, students, and skilled workers. Computer searches will be made. Oral and written pretests and posttests will be developed, along with implementation strategies. The curriculum will be disseminated to local education agencies, special education programs, school superintendents, school boards, vocational education program directors, and state department officials. A final report will be delivered.

**AR 78 0078**

**Elimination of Sex-Role Stereotyping in Vocational Education.**
**Project Director:** Isaac, Patricia
**Organization:** Masuk High School, Monroe, Conn.
**Address:** Monroe, CT 06468
**Descriptors:** *Business Education, Curriculum Development, Employment Opportunities, *Home Economics Education, Industrial Arts, *Inservice Programs, *Nontraditional Occupations, *Sex Discrimination, *Sex Stereotypes, Student Needs, Teaching Methods

**Funding Period:** Start Date 12 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $3,973 (Charged to FY 1977)
**Note:** This project also received $492 in local funds for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 085161-78201

Consultants from the Bureau of Vocational Services, State Department of Education, will review existing programs for evidence of sex bias and sex stereotyping and examine employment projects for Masuk vocational students. In addition, a paid insefvice workshop program and visits to local business and industrial sites will be conducted to sensitize vocational education faculty members and guidance counselors to individual needs of students and to improve teaching methods. As a result, it is expected that the vocational education curriculum will be altered to meet the current and future needs of the business and industrial community; the course content in business and home economics will be altered to encourage greater male participation; the vocational education faculty will be exposed to nontraditional job opportunities for men and women; and the course enrollment in home economics, industrial arts, and business will reflect a more balanced sex ratio.

### AR 78 0079

**Faculty Workshop: Special Needs Students and the Instructor in a Vocational-Technical School.**
**Project Director:** Martel, Dawn C.
**Organization:** Vinal Regional Vocational-Technical School, Middletown, Conn.
**Address:** 60 Daniels Street, Middletown, CT 06457
**Descriptors:** *Mainstreaming, *Program Planning, *Resource Materials, *Special Education, *Student Needs, Teacher Attitudes, *Teacher Workshops, Teaching Techniques, Vocational Education Teachers
**Funding Period:** Start Date 9 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $2,443 (Charged to FY 1977)
**Note:** This project also received $240 in local funds for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 608400-78202

A three-day workshop series will be developed and presented to provide instructors with information and resource material to encourage awareness of and sensitivity to the educational needs of special students and to assist instructors in developing professional confidence and competency in planning for special needs students in their instructional areas. Media presentations, guest speakers, and experiential activities will be used to present applicable educational laws, classroom techniques, available resources, individual education plan preparation, and exploration of various special needs and mainstreaming. The expectations, needs, and uncertainties of the instructional staff will be assessed through the use of an attitude survey and a workshop evaluation tool.

### AR 78 0080

**Greenhouse Work Project.**
**Project Director:** LeBeau, Gary D.
**Organization:** East Hartford Board of Education, Conn. Synergy School
**Address:** 110 Long Hill Drive, East Hartford, CT 06108
**Descriptors:** Career Awareness, Career Exploration, Career Planning, Communication Skills, Educational Alternatives, Employment Qualifications, *Experiential Learning, *Floriculture, *Greenhouses, *Job Skills, Nursery Workers (Horticulture), Secondary Education, *Skill Development
**Funding Period:** Start Date 1 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $3,850 (Charged to FY 1977)
**Note:** This project also received $435 in local funds for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 043261-78201

An integrated curriculum will be established to provide students with entry-level job skills for service occupations and to provide hands-on experience in operating a small business enterprise with direct monetary rewards. Essential information and skills from biology, business, and art will be integrated through the operation of a greenhouse and plant store. The project will provide an intermediate step between school and the world of work. It is expected that student self-knowledge, self-worth, and career planning will be enhanced; that students will learn the value of carftsmanship; and that skills in communication and cooperation will be reinforced.

### AR 78 0081

**Identification of Appropriate Teaching Methods for Presenting Vocational Information to High School Special Education Students.**
**Project Director:** Franson, Kenneth
**Organization:** Area Special Education Association, Colchester, Conn.
**Address:** Hall's Hill Road, Colchester, CT 05415
**Descriptors:** Career Exploration, *Educable Mentally Handicapped, Evaluation, *High School Students, *Learning Disabilities, *Occupational Choice, *Occupational Information, Secondary Education, *Teaching Methods, Teaching Techniques, Trainable Mentally Handicapped
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 78
**Fiscal Year Funding:** $2,755
**Note:** This project also received $457 in local funds for FY 1978.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 247600-78202

The most effective teaching technique for presenting vocational information to learning disabled high school students will be identified by examining the effectiveness of various teaching methods. A combination of standardized and teacher-created tests will be used to determine a student's knowledge of a particular vocation; one teaching method will then be used to present related concepts. Students will be posttested using the same tests. After a number of vocations have been presented in this manner, an analysis of tests results will determine which method was most effective. In addition, another occupational area will be selected and information presented through a combination of teaching methods to determine if an ideal combination of methods exists for meeting the needs of learning disabled.

### AR 78 0082

**Operation Vocational Education Research (OVER).**
**Organization:** Brooklyn Board of Education, Conn.
**Address:** Gorman Road, Brooklyn, CT 06234
**Descriptors:** Area Vocational Schools, Curriculum Development, Data Analysis, *Educational Planning, *Graduate Surveys, Inservice Education, *Interinstitutional Cooperation, Prevocational Education, Program Effectiveness, *Program Evaluation, *School Surveys, *Student Attitudes
**Funding Period:** Start Date 2 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $2,345 (Charged to FY 1977)
**Note:** This project also received $260 in local funds for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 019800-78201

Brooklyn students who have been served by vocational education during the past ten years, staff in the local system and in area vocational education programs, and parents of identified students will be interviewed by an investigator trained in research design, interviewing techniques, and compiling and interpreting data. Survey findings will be used in curriculum development, inservice training, and vocational education planning. It is expected that staff members will be able to differentiate between appropriate and inappropriate attitudes for students selecting vocational education and to identify the specific instructional needs of students entering vocational education. Students will be able to recognize the attitudes and academic needs of vocational training. Parents, students, and teachers will accept involvement in vocational education or occupational training as an indication of informed career decision making. Coordination and cooperation between the local school program and the area vocational education programs will be a priority of both institutions.

### AR 78 0083

**Project Picture.**
**Project Director:** O'Brien, Virginia
**Organization:** Capitol Region Education Council, Bloomfield, Conn.
**Address:** 800 Cottage Grove Road, Bldg. 2, Bloomfield, CT 06002
**Descriptors:** Inservice Programs, *Instructional Materials, *Job Training, *Mentally Handicapped, Multiply Handicapped, *Physically Handicapped, Skill Development, Task Performance, *Visual Aids, *Visual Learning
**Funding Period:** Start Date 12 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $4,000 (Charged to FY 1977)
**Note:** This project also received $42,342 in CETA funds and $9,430 in local funds for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 241200-78201

New Britain area businesses and industries will be surveyed to compile a general task listing of non-sheltered jobs. Prototype picture-reading materials will then be developed, modified, and field tested for training selected moderately and severely retarded persons at the Day Treatment Service, Grange Lane School, the Multiply-Physically Handicapped Program and the Hartford Regional Center. A series of inservice workshops will be developed for training program staff in using and creating picture books.

### AR 78 0084

**Project Survey, Identify, Record, Disseminate.**
**Project Director:** Robinson, Francis D.
**Organization:** Project Learn, East Lyme, Conn.
**Address:** P.O. Box 244, East Lyme, CT 06333
**Descriptors:** Career Development, *Career Planning, Community Services, Correctional Education, Employment Opportunities, *Employment Projections, *Employment Trends, Health Occupations, Job Skills, Mental Health, *Occupational Surveys, Recreation, *Resource Guides, Secondary Education, Secondary School Counselors, Vocational Counseling

**Identifiers:** Emerging Occupations
**Funding Period:** Start Date 10 Jan 78; End Date 15 Jun 78
**Fiscal Year Funding:** $3,850
**Note:** This project also received $545 in local funds for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 245500-78201

At least fifty major and twenty-five small business, industrial, service, and government organizations in Shoreline and southeastern Connecticut will be surveyed to identify immediate and potential job opportunities in mental and physical health, crime prevention and correction, municipal services, and recreation. Emerging occupational trends and future job projections also will be identified. Information concerning employment opportunities, emerging occupational trends, future job projections, job descriptions, and entry-level skill requirements will be assembled, categorized, and recorded in a source book of regional resources and job opportunities for career and vocational planning for junior and senior high school vocational counselors and students to aid in occupational planning. Onsite, in depth interviews will be conducted.

### AR 78 0085

**Research and Curriculum Development in Basic Math and Reading Competency for Culinary Arts.**
**Project Director:** Wilchynski, Leon
**Organization:** Bloomfield Board of Education, Conn.
**Address:** 785 Park Avenue, Bloomfield, CT 06002
**Descriptors:** *Cooking Instruction, Criterion Referenced Tests, *Mathematics Instruction, *Mathematics Materials, Program Evaluation, Reading Improvement, *Reading Instruction, *Reading Materials, *Tutorial Programs, Tutors
**Funding Period:** Start Date 12 Dec 77; End Date 10 Jun 78
**Fiscal Year Funding:** $3,200 (Charged to FY 1977)
**Note:** This project also received $2,095 in local funds for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 011261-78201

Culinary arts students who need assistance in reading and math to attain the established minimum standard necessary for success will be identified. Materials and techniques to eliminate deficiencies will be developed, including a pretest and posttest basic criterion-referenced measure designed for mathematics for culinary arts and multilevel instructional materials. A student-to-student tutorial program will be established, student tutors and instructors will be trained in program implementation, and results will be evaluated.

### AR 78 0086

**Retail Outlet.**
**Project Director:** Healy, Janet
**Organization:** Litchfield County Association for Retarded Children, Torrington, Conn.
**Address:** 185 South Main Street, Torrington, CT 06790
**Descriptors:** Employment Opportunities, *Handicapped, *Handicrafts, Job Skills, Marketing, *Mentally Handicapped, *Retailing, Sales Workers, Sheltered Workshops, *Skill Development
**Funding Period:** Start Date 23 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $4,000 (Charged to FY 1977)
**Note:** This project also received $554 in local funds for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 804300-78201

Mentally retarded and handicapped clients of Lark Industries and retarded and handicapped citizens of Litchfield County will be provided with a facility where their handcrafted items can be displayed and retailed competitively within the community. The retail outlet will be located in a populated shopping area and will include both retail and production areas. The retail area will be stocked with items made by clients of the three Lark sheltered workshops. Within the production area, clients will be observed making items such as pillows, quilts, placemats, ceramicware, woodcrafted items, baskets, and candles. Publicity will be placed in area newspapers; and other retarded and handicapped individuals, particulary the homebound, will be invited to display and sell their handiwork. As an alternative to subcontracted benchwork, selected clients will report to the facility for assignments rather than the workshop. Participating clients will develop work skills; learn about helping customers, completing sales, and making change; and develop a sense of pride in and appreciation for their accomplishments. One full-time staff member will serve as store manager, assist in the area of arts and crafts, and work with Lark Industries clients and community volunteers. Profits from the outlet will be used for continuing and improving the project. Evaluations will be conducted, and a final report will be delivered.

### AR 78 0087

**Shared-Time Program between Manchester High School and the Regional Occupational Training Center for the Handicapped.**
**Organization:** Manchester Public Schools, Conn.
**Address:** 45 North School Street, Manchester, CT
**Descriptors:** *Agribusiness, *Disadvantaged Youth, Educational Facilities, Educational Resources, *Handicapped Students, *Job Training, *Out of School Youth, School Community Relationship, Unemployed, *Vocational Agriculture, Work Experience Programs
**Funding Period:** Start Date 12 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $4,000 (Charged to FY 1977)
**Note:** This project also received $400 in local funds for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 077261-78201

A shared-time agribusiness program in vocational agriculture will be developed to provide entry-level skill training for handicapped, disadvantaged, general, and vocational high school youth as well as out-of-school unemployed youth. The involvement, cooperation, and commitment of both the private and public sectors will be secured to better coordinate and more effectively implement the training program. Research will be conducted to determine specific occupational and educational needs of the students and community. The possibility of providing high school credit for classroom participation and practical phases will be explored and recommendtions made. A resource classroom will be selected and appropriately equipped; a greenhouse, soil preparation point, and other facilities will be identified and built. In an effort to ensure the program's self-sufficiency, local merchants who might serve as future outlets for the program's products will be contacted to obtain their support. Classes and work schedules will be established and round-trip transportation provided for program participants.

### AR 78 0088

**Vocational Career Guide for Connecticut.**
**Project Director:** Gorth, William P.
**Organization:** National Evaluation Systems, Inc., Amherst, Mass.
**Address:** Post Office Box 226, Amherst, MA 01002
**Descriptors:** Correspondence Schools, *Directories, *Educational Programs, Postsecondary Education, Private Schools, *Program Planning, Proprietary Schools, Public Schools, *Resource Guides, *School Surveys, Vocational Schools
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $17,442 (Charged to FY 1977)
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 899500-78202

To provide the Division of Vocational Education with an updated, comprehensive inventory of public and private vocational opportunities in the state, a questionnaire will be mailed to survey public, private, and correspondence schools offering career training programs below the baccalaureate level. Questionnaire information will be verified with authorized agencies and associations. Five thousand copies of the guide will be printed for use in planning vocational education programs and facilities, and as a teaching and guidance tool for counselors.

## Exemplary and Innovative (Sec. 132)

### AR 78 0089

**Beauty Culture.**
**Project Director:** Leahy, William
**Organization:** Regional School District No. 17, Higganum, Conn.
**Address:** Little City Road, Higganum, CT 06441
**Descriptors:** *Career Exploration, *Certification, *Cosmetology, *Followup Studies, *Graduate Surveys, High School Students, *Regional Cooperation, Secondary Education
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $8,360
**Note:** This project also received $3,882 in local funds for FY 1978.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 217461-78271

Students at Regional 17 High School will be provided with 2,000 hours of beauty culture instruction to prepare them to pass the state cosmetology licensing examination. The program, a satellite of the Vinal Regional Technical School in Middletown, will be provided for area high school students on a cooperative regional basis and will use the final program curriculum guide. Comprehensive high school program students may elect the exploratory phase of the beauty culture program consisting of one semester (at least 150 hours) of instruction in hairdressing on wigs, personal hygiene, professional conduct, career information, demonstrations, and field trips. The job placement service will conduct follow-up studies on all graduates.

**AR 78 0090**

**Childhood and Parenthood Competency Education.**
**Project Director:** Carta, Elizabeth J.
**Organization:** Norwalk Board of Education, Conn.
**Address:** 105 Main Street, Norwalk, CT 06852
**Descriptors:** Child Care Occupations, Child Development, *Child Rearing, Daily Living Skills, *Family Life Education, Interpersonal Competence, Models, *Parent Child Relationship, *Parenthood Education, Peer Teaching, *School Community Programs, Secondary Education, *Skill Development, Tutorial Programs
**Funding Period:** Start Date 6 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $18,517
**Note:** This project also received $35,470 in local funds for FY 1978.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 103161-78278

In a special high school credit course to teach effective skills in child rearing, classroom study will be integrated with intensive community involvement encompassing a tutorial program for elementary pupils, and a nursery school laboratory. Students will (1) learn to respect the common needs and personal differences of individuals and to recognize universal patterns of development; (2) improve skills necessary for maintaining effective relationships; (3) identify positive and negative effects of authority figures on personal development; (4) demonstrate skills (communications, conflict resolution, and values clarification) related to personal and family functioning needs; (5) identify knowledge and skills necessary for jobs and careers in related child care services, and evaluate career options in terms of self-assessment; and (6) provide cross-peer sharing of their specialized knowledge to assist non-program participants with decisions in preparing for parenthood. Emphasis for the third year will be on preparing materials for use in instituting similar programs and on sharing personnel for presentations and inservice training.

**AR 78 0091**

**Develop a Regional Resource Center to Coordinate Business, Industry, Labor, Professions, and Higher Education in School-Community Relationships.**
**Project Director:** Barber, James
**Organization:** Connecticut Foundation for School-Community Relationships, Inc., New Haven
**Address:** 275 Winchester Avenue, New Haven, CT
**Descriptors:** Community Information Services, *Community Resources, *Cooperative Education, Disadvantaged Youth, Employment Opportunities, Inservice Programs, *Internship Programs, Occupational Guidance, *Resource Centers, *School Community Relationship, Secondary School Students, Vocational Counseling
**Funding Period:** Start Date 15 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $8,000
**Note:** This project also received $13,300 in local funds for FY 1978.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 899700-78271

Community resources will be developed to motivate students, teachers, administrators, and parents to enrich learning. Teachers and community representatives will be encouraged to provide career counseling, training, and job opportunities for high school students, with particular assistance for disadvantaged students. To coordinate resources, the school-community resource center will provide a technical referral service for classroom resource people and files for personnel, materials, and curriculum. Inservice training will be provided, involving workshops, symposia, and discussions within business, industrial, and labor settings. An internship exchange will be promoted between school system employees and appropriate business, industry, and labor employees. Secondary school students will be provided with cooperative education experiences. School-community relationships established in the project will be continued, and new relationships will be developed in surrounding areas to serve as models for visitation and evaluation.

**AR 78 0092**

**Implementation of the East Shore Career Education Center–Year III.**
**Project Director:** Sandagata, Robert L.
**Organization:** Area Cooperative Educational Services, New Haven, Conn.
**Address:** 800 Dixwell Avenue, New Haven, CT 06511
**Descriptors:** Career Awareness, *Career Education, Cooperative Programs, Elementary Secondary Education, Inservice Teacher Education, Models, Occupational Guidance, *Program Development, *Regional Cooperation, Resource Centers, *Shared Facilities, *Shared Services, Staff Improvement
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $1,757
**Note:** This project also received $30,842 under Sec. 132 for FY 1977.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 244500-78271

The East Shore Career Education Center will serve as the focal point for all shared career and vocational education activities and will be a model for inter-district cooperation in meeting the career education awareness, orientation, exploration, preparation, and guidance needs of students. A continuous career education program in grades K-12 will be implemented for the communities of Branford, Guilford, and East Haven. In so doing, a centralized resource center and shared vocational training program will be developed; staff, facilities, equipment, and programs will be shared; new cooperative career programs will be identified; career guidance activities will be coordinated; and work-skills exploratory experiences will be provided. Staff development and inservice activities also will be provided.

**AR 78 0093**

**Middlesex Shoreline Vocational Career Consortium.**
**Project Director:** Hampton, Kenneth
**Organization:** Vinal Regional Vocational-Technical School, Middletown, Conn.
**Address:** 60 Daniels Street, Middletown, CT 06457
**Descriptors:** *Articulation (Program), *Career Education, *Educational Resources, Handicapped Students, Inservice Programs, *Job Skills, Program Development, *Regional Planning, *Regional Programs, School Community Relationship, Secondary Education, Skill Development
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $24,188
**Note:** This project also received $600 in local funds for FY 1978.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 608400-78271

The Vinal Regional Vocational-Technical School will assist Middlesex Shoreline Superintendents Association members in providing students in grades 7-12 with an option to acquire a saleable skill; utilizing school, community, business, government, and industry resources in the career education program; facilitating articulation between schools and institutions or programs for students in grades K-12; resolving, through a regional approach, the identified lack of skills that prevent youth from obtaining employment; developing a regional approach to meet the needs of the handicapped; and providing inservice career and vocational education to the community. In addition, local education agencies will be assisted in implementing a policy statement and plan of action as mandated in the master plan for career and vocational education.

**AR 78 0094**

**Preparation of Prospective Teachers for Career and Vocational Education.**
**Project Director:** Benedict, Paul L.
**Organization:** Eastern Connecticut State Coll. Willimantic
**Address:** Willimantic, CT 06226
**Descriptors:** *Career Education, *Internship Programs, Models, Practicums, *Preservice Education, Program Coordination, *Teacher Education, Trade and Industrial Education
**Funding Period:** Start Date 15 Aug 77; End Date 30 Jun 78
**Fiscal Year Funding:** $11,446
**Note:** This project also received $10,630 in local funds for FY 1978.
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 504800-78277

The ongoing project will be refined and a model will be developed to enable prospective teachers to infuse career education ideas and concepts into all phases of classroom activity and subject areas to help students make career choices. A minor in career and vocational education will be required of prospective teachers. The minor will include a course to develop knowledge of and a rationale for incorporating career and vocational education concepts curriculum at all grade levels, a practicum at Windham Regional Technical School to provide onsite study of the five major trades, and an internship in a local industry, community agency, or trade. In addition, students will be encouraged to select an independent research project in vocational education in Connecticut, a practicum in a career and vocational education program, an internship with a teacher in any school interested in career and vocational education, or an internship in a state agency involved in career and vocational education. Project modifications will include greater recruitment and instruction of seniors, closer coordination of program components, a revised internship program, a more comprehensive experience at Windham Regional Technical School, and an expansion of career exposure through more field trips, guest speakers, and examination of printed materials.

**AR 78 0095**

**Regional Alternative Program in Distributive Education Utilizing the Diversified Resources of a Large Shopping Complex.**

**Project Director:** Buijnarowski, Lois M.
**Organization:** Windsor Locks School District, Conn.
**Address:** 50 Church Street, Windsor Locks, CT 06096
**Descriptors:** Adult Education, Career Awareness, *Career Exploration, *Cooperative Education, Credit Courses, *Distributive Education, *Employment Qualifications, Entry Workers, Experiential Learning, High School Students, *Job Placement, Postsecondary Education, Secondary Education
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $23,265 (Charged to FY 1977)
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 165261-78276

Thirty to thirty-five high school juniors and seniors, selected from eight to twelve surrounding school districts, will receive training in a classroom in a shopping mall and on-the-job cooperative experience in appropriate stores for initial employment and advancement in distributive occupations. Two credits will be awarded for the year and minimum wage will be paid for cooperative work experience. In addition, students will be provided with the opportunity to explore various distributive occupations, and program completers will receive assistance in job placement. Training also will be provided to upgrade present employees of participating stores and for adults outside the field of distribution.

## Curriculum Development (Sec. 133)

**AR 78 0096**

**Curriculum Reorganization and Development.**
**Project Director:** Smith, Robert
**Organization:** Central Connecticut State Coll., New Britain
**Address:** New Britain, CT 06050
**Descriptors:** Curriculum Development, *Developmental Reading, Employment Opportunities, *Remedial Reading Programs, *Shop Curriculum, Skill Development, *Staff Improvement, *Teaching Methods
**Identifiers:** *Emerging Occupations
**Funding Period:** Start Date 15 Mar 78; End Date 15 May 79
**Fiscal Year Funding:** $40,159 (Charged to FY 1977)
**Sponsoring Agency:** Connecticut State Dept. of Education, Hartford
**Contract and/or Control No.:** 502200-78809

Curriculum will be developed and revised to meet the occupational needs of students brought about by changes in training for ongoing and new and emerging occupations. Teachers, mostly curriculum committee members, will form teams according to skill areas to study the best methods of developing and organizing curriculum and presenting the newly developed curriculum to students. Reading curriculum will be provided for remedial reading and for integrating developmental reading into general education, related, and shop curriculum. In addition, policy bulletins will be revised and updated.

# DELAWARE

## Exemplary and Innovative (Sec. 132)

**AR 78 0097**

**Competency-Based Curriculum Production.**
**Project Director:** Kirk, George V.
**Organization:** Newark School District, Del.
**Address:** 83 East Main Street, Newark, DE 19711
**Descriptors:** Area Vocational Schools, *Behavioral Objectives, Criterion Referenced Tests, Curriculum Development, *Educational Strategies, Formative Evaluation, Information Dissemination, *Learning Modules, *Performance Based Education
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $5,000
**Note:** This project also received $14,605 under Part B and $15,000 under Disadvantaged funds for FY 1978.
**Sponsoring Agency:** Delaware State Dept. of Public Instruction, Dover

The major objective of this program is to develop and publish an additional number of competency-based curriculum modules to complement and further extend the number of modules completed to date. Specific objectives will be to develop, edit, publish, and distribute a quantity of these modules to instructional staff for field testing. Performance objectives, criterion-referenced measures, and instructional strategies will be used in the development of instructional moduels. The modules will be reproduced and distributed to other vocational programs requesting them within the state.

**AR 78 0098**

**Educational Resource Association.**
**Project Director:** Weatherly, Paul K.
**Organization:** Delaware Technical and Community Coll., Dover
**Address:** Dover, DE 19901
**Descriptors:** *Career Education, *Clearinghouses, *Community Resources, Curriculum Development, *Educational Resources, Learning Activities, *Material Development, Program Effectiveness, *School Community Cooperation, Teaching Methods
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $14,097 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576 and also received $13,285 under Part B and $22,618 under Postsecondary for FY 1978.
**Sponsoring Agency:** Delaware State Dept. of Public Instruction, Dover

Objectives of the project are to (1) develop and expand an inventory of community resources that will be available to educators through a centrally controlled clearinghouse; (2) develop materials and methods to encourage educators to collaborate with community resource persons and draw upon their services in developing and implementing career education activities; (3) maintain and administer an office system to centrally coordinate educator requests for community resources; (4) develop and refine materials and methods so career education activities may more directly involve students; and (5) evaluate project effectiveness.

# DISTRICT OF COLUMBIA

## Research (Sec. 131)

**AR 78 0099**

**Career Planning and Placement (Vocational Guidance).**
**Project Director:** Morgan, Susie B.
**Organization:** District of Columbia Public Schools, Washington, D.C. Dept. of Career Development
**Address:** 415 - 12th Street, NW, Room 906, Washington, DC 20004
**Descriptors:** Career Awareness, *Career Development, Career Exploration, *Career Planning, Changing Attitudes, *Disadvantaged Youth, *Minority Groups, *Occupational Guidance, Self Concept, Skill Development, *Student Placement
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $191,950
**Sponsoring Agency:** District of Columbia Public Schools, Washington, D.C.

A developmental pattern of career guidance, counseling, and placement services will be designed to help 8,000 minority and disadvantaged students develop positive attitudes, self-awareness, and vocational awareness and to provide vocational exploration and intensive preparation so they will gain the necessary marketable skill needed for placement. The vocationally oriented programs will be coordinated by counselor aides, vocational evaluators, career advisors, and academic school counselors who are responsible for planning and implementing these concepts in their assigned schools.

**AR 78 0100**

**Experience-Based Career Education Program for Students in the Comprehensive High Schools of the District of Columbia.**
**Project Director:** Datcher, Ellen F.
**Organization:** District of Columbia Public Schools, Washington, D.C. Dept. of Career Development
**Address:** 415 Twelfth Street, NW, Washington, DC 20004
**Descriptors:** Academic Achievement, *Career Development, *Career Education, Comprehensive High Schools, *Curriculum Guides, *Experiential Learning, Skill Development, Student Attitudes
**Identifiers:** *Experienced Based Career Education Program
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $37,494
**Sponsoring Agency:** District of Columbia Public Schools, Washington, D.C.

An experience-based career education (EBCE) model will be developed for infusion into all comprehensive high schools in the District of Columbia public schools, and five EBCE curriculum guides will be developed using the competency-based curriculum format. The EBCE model will be supported by school administrators, an advisory council, parents, students, and community resource persons. An experimental group from one high school will be matched with a control group from another; pre- and posttesting will be conducted using the Everyday Skills Test and the Career Maturity Inventory. Data will also be obtained from administrative reports and from a questionnaire sent to school administrators, advisory council members, parents, students, and resource people. As a result of the project, students will maintain or improve their academic performance, demonstrate improved career development skills, and improve their perceptions of sex equity.

**AR 78 0101**

**Sex Equity in Vocational Education.**
**Project Director:** Jones, Eunice Wright
**Organization:** District of Columbia Public Schools, Washington, D.C. Dept. of Career Development
**Address:** 415 12th Street, NW, Room 1010, Washington, DC
**Descriptors:** *Classroom Materials, Educational Planning, Information Dissemination, Inservice Education, *Nontraditional Occupations, Secondary Education, *Sex Discrimination, *Sex Fairness, *Sex Stereotypes, Technical Assistance
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $51,377
**Sponsoring Agency:** District of Columbia Public Schools, Washington, D.C.

Activities ensuring the elimination of sex bias and sex stereotyping in vocational education will be planned, developed, and implemented. To accomplish this, materials will be developed and disseminated; inservice training, technical assistance, and workshops will be provided; resources will be identified and disseminated; and mini-grants will be awarded. The result will be an increased enrollment of students in vocational training not traditional for their sex.

**AR 78 0102**

**Vocational Education Curriculum.**
**Project Director:** Etheridge, Bessie D.
**Organization:** District of Columbia Public Schools, Washington D.C. Dept. of Career Development
**Address:** 415 12th Street, NW, Washington, DC
**Descriptors:** Ancillary Services, *Curriculum Development, *Educational Resources, *Information Dissemination, Instructional Materials, *Performance Based Education, Program Improvement, *Resource Centers, Resource Materials
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $34,452
**Sponsoring Agency:** District of Columbia Public Schools, Washington, D.C.

Project staff will develop and disseminate contemporary instructional support materials in an effort to improve the quality of vocational, technical, and industrial education programs. Curriculum activities will be planned, implemented, supervised, and coordinated; a vocational education curriculum resource lending library will be maintained; services supportive of the competency-based curriculum (CBC) thrust will be provided; and activities pertinent to the National Network for Curriculum Coordination in Vocational-Technical Education (NNCCVTE) will be conducted. The CBC materials will be disseminated to subject area teachers, the District of Columbia board of education, members of NNCCVTE, and others upon request.

# FLORIDA

## Research (Sec. 131)

**AR 78 0103**

**Assessing Basic Learning Competence in the Postsecondary Vocational-Technical Schools of Florida.**
**Project Director:** Tully, G. Emerson
**Organization:** Florida Board of Regents, Tallahassee
**Address:** Tallahassee, FL 32304
**Descriptors:** *Basic Skills, Comparative Analysis, Inservice Teacher Education, Mastery Tests, *Minimum Competency Testing, *Performance Based Education, *Postsecondary Education, *Student Evaluation, Student Placement, *Test Interpretation
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $25,910
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee. Div. of Vocational Education

The project, aimed at assessing general education competencies in six of Florida's postsecondary vocational schools, has the following objectives: (1) field test instruments designed to facilitate entry level placement of vocational students; (2) train a cadre of vocational teachers and administrative personnel in the administration of tests designed to measure competency-based outcomes; (3) determine the extent to which vocational students generally display mastery of basic learning in general education; (4) further the competency-based concept in vocational education; and (5) provide a basis for a comparative evaluation of the general and special educational needs of younger adults (age 18-21) with older adults (22 and older) enrolled in postsecondary programs and offered by vocational schools. Prior to the administration of the tests, participating schools will be visited by project staff members to train teachers in the test administration. The administration of competency tests is substantially different from administering conventional group tests and requires the use of audiovisual projection equipment as well as the use of tape recorders. Tests will be scored before the end of the year (1977). Project staff will visit participating schools in early 1978 to present test results. Steps preparatory to the testing phase that will need to be taken are: (1) sending out letters of invitation to centers to participate in the project; (2) visiting participating centers to plan for testing; and (3) evaluating the initial development of the project.

**AR 78 0104**

**Assessing the Impact of an Open Entry/Open Exit System and Individualized Competency-Based Vocational Instruction on Duties and Responsibilities of Administrators, Counselors, and Teachers within Selected Florida School Districts.**
**Project Director:** Upton, Ralph
**Organization:** Saint Johns County Schools, St. Augustine, Fla.
**Address:** St. Augustine, FL 32084
**Descriptors:** *Administrator Responsibility, *Counselors, Educational Research, Individualized Instruction, Instructional Student Costs, Needs Assessment, *Performance Based Education, Program Costs, *Program Evaluation, Program Guides, Secondary Education, *Teacher Responsibility
**Identifiers:** *Open Entry Open Exit
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 78
**Fiscal Year Funding:** $13,275
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee. Div. of Vocational Education

Objectives of this project are to (1) identify schools in three different school districts of small, medium, and large sizes with open-entry and open-exit systems of individual competency-based vocational education at the secondary level; (2) review the literature and research concerning open-entry/open-exit systems and individualized competency-based vocational education at the secondary level; (3) conduct onsite observations and interviews in the three school districts; (4) develop and administer a survey instrument onsite to the population of all staff involved with the open-entry/open-exit programs in the three school districts; and (5) summarize and analyze the data collected on the survey instruments. Procedures will be to select a project manager to conduct the research activities; identify three sites to be included in the study; develop and field test a questionnaire to be used with a selected group of teachers, administrators, and support personnel in the selected sites. A revised questionnaire will be administered to the population of vocational teachers, administrators, and support personnel involved in the organization and operation of the open-entry/open-exit systems. Products to be delivered will include a final report containing the findings, implications, and recommendations of the study, and a handbook of guidelines for vocational educators and administrators to use in planning, organizing, and operating open-entry/open-exit system of individualized competency-based vocational education programs at the secondary level.

**AR 78 0105**

**Assisting Basic Learning Competence in the Postsecondary Vocational Technical Schools of Florida.**
**Project Director:** Perkins, L. Hobdy; Tully, G. Emerson
**Organization:** University of West Florida, Pensacola
**Address:** Pensacola, FL 32504
**Descriptors:** *Academic Achievement, *Basic Skills, *Educational Needs, Instrumentation, Older Adults, *Performance Based Education, *Postsecondary Education, *Testing, Young Adults
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $25,910
**Sponsoring Agency:** Florida Dept. of Education, Tallahassee. Div. of Vocational Education
**Contract and/or Control No.:** 7-2C21

The purpose of the project is to assess general education competencies in six of Florida's postsecondary vocational-technical schools. Specific objectives are to (1) field test instruments designed to facilitate entry-level placement of vocational-technical teachers and administrative personnel in administration of tests designed to measure competency-based outcomes; (2) determine the extent to which vocational-technical students generally display mastery of basic learning in general education; (3) further the competency-based concept in vocational-technical education; and (4) provide a basis for a comparative evaluation of the general and special educational needs of younger adults (age 18-21) with older adults (22 and older) enrolled in vocational-technical schools. Procedures will include: (1) inviting the schools to participate; (2) training teachers in test administration; (3) administering tests of competency measures; and (4) scoring tests and communicating results to the participating schools.

**AR 78 0106**

**Coordination of Special Evaluation Activities.**
**Project Director:** Perkins, L. H.
**Organization:** University of West Florida, Pensacola
**Address:** Pensacola, FL 32504
**Descriptors:** Data Analysis, Data Collection, *Educational Coordination, Evaluation Criteria, *Evaluation Methods, *Program Evaluation, *Technical Assistance
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $45,321
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee
**Contract and/or Control No.:** 8-3017

Technical assistance will be provided to refine a state-wide system for evaluating vocational programs, processes, and products. The procedures and instruments used in state-wide follow up of vocational students and employees will be validated and refined. After analyzing information and data concerning the follow-up, the findings will be presented to the state department of education and local education agencies. The validation will contribute to the development and maintenance of a system for the introduction of entry-level student performance standards into selected vocational programs.

**AR 78 0107**

**Curriculum Delivery System (CDS) Project (Continuation).**
**Project Director:** Perkins, L. H.
**Organization:** University of West Florida, Pensacola
**Address:** Pensacola, FL 32504
**Descriptors:** *Delivery Systems, Demonstration Centers, Educational Technology, *Individualized Instruction, *Inservice Teacher Education, Learning Modules, Multimedia Instruction, *Performance Based Education, *Preservice Education, Program Development, Program Evaluation, *Teacher Educator Education, Teacher Workshops
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $151,600

**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee
**Contract and/or Control No.:** 7-1C14

Both preservice and inservice vocational educators will benefit from the competency-based skills developed through the CDS project. The CDS model, developed and validated with vocational teachers over a two-year period in seven Florida counties, will serve as a basis for a learning system to teach instructors how to develop and manage individualized instruction. In this phase, project staff will (1) complete the field test and revision of the goal setting, learning experience, and instructional management components of Florida Approach to Competency-Based Individualized Teaching (FACIT) materials; (2) explore the relationship between the Vocational Instruction Delivery Educational Opportunity Series (VIDEOS) Program and the CDS approach; (3) support additional training of facilitators or participants in FACIT summer workshops held in 1977; and (4) conduct FACIT awareness workshops and skill training. In addition, an operational definition of competency-based instruction and a plan for establishing competency-based education demonstration centers will be developed. Criteria for evaluating the programs will be formulated, and recommendations will be made for disseminating FACIT materials. Recommended goals and associated needs will be delineated for implementing competency-based education throughout the state-wide vocational education system.

### AR 78 0108

### Development of a Model to Identify Vocational Education Needs Associated with Sex-Role Stereotype within Special Target Groups.

**Project Director:** Hinley, Hugh
**Organization:** Florida State Univ., Tallahassee
**Address:** Tallahassee, FL 32306
**Descriptors:** *Models, *Needs Assessment, Secondary Education, *Sex Discrimination, *Sex Fairness, *Sex Role, *Sex Stereotypes, Special Education
**Funding Period:** Start Date 15 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $10,000
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee. Div. of Vocational Education

The purpose of this project is to develop a model which can be used to assess needs with reference to sex stereotype and sex bias in vocational education programs in Florida. Procedures will be to review literature and current research to identify a needs assessment model which, when applied in different situations (as vocational technical centers, secondary schools, special education programs), will show the extent to which there is noncompliance and where specific steps should be taken to eliminate such bias; and develop a field tested model designed to identify needs in vocational education programs associated with sex role stereotyping and sex-bias problems.

### AR 78 0109

### Development of Criteria for Teachers' Use in Reviewing and Selecting Instructional Materials for Competency-Based Programs.

**Project Director:** Harrington, C. Tracy
**Organization:** University of West Florida, Tallahassee
**Address:** 308 Johnston Building, North Monroe Street, Tallahassee, FL 32303
**Descriptors:** *Evaluation Criteria, *Evaluation Methods, *Individualized Instruction, Instructional Materials, Learning Modules, Material Development, *Media Selection, *Performance Based Education
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $75,000
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee
**Contract and/or Control No.:** 7-1C13

The purposes of the project are to (1) assess in depth the needs of vocational teachers in the area of reviewing and selecting instructional materials; (2) prepare a "state of the art" paper on review/selection procedures currently being used in Florida Vocational Schools; (3) develop and evaluate a set of review/selection procedures and criteria designed for use by vocational teachers; and (4) develop and evaluate an instructional module designed to train vocational teachers in the use of the review/selection procedures and criteria. Procedures will include: (1) needs assessment and diffusion planning; (2) identification and evaluation of existing approaches to reviewing and selecting materials and development of a "state of art" paper; (3) development and field-testing criteria for reviewing and selecting materials; and (4) development and evaluation of an instructional module for training vocational teachers to use the review/selection criteria.

### AR 78 0110

### Development of Occupational Demand Data for Vocational Program Planning.

**Project Director:** O'Hara, John
**Organization:** Florida Dept. of Commerce, Tallahassee. Div. of Employment Security
**Address:** Tallahassee, FL 32304
**Descriptors:** Data Collection, *Demand Occupations, *Educational Needs, *Employment Opportunities, *Employment Projections, Job Market, Manpower Needs, *Occupational Surveys, *Program Planning, School Industry Relationship
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $25,000
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee
**Contract and/or Control No.:** 8-3024

By using Current Employment Statistics (CES) and Occupational Employment Statistics (OES) programs, occupational demand data with projections by occupation and by industry to 1985 will be derived for all counties in the state. This data concerning specific manpower needs of the labor force will aid in educational decision making at state and local levels and will facilitate vocational program planning to meet the needs of youth and adults.

### AR 78 0111

### Pilot Project Designed to Demonstrate a Model To Be Used in the Evaluation of a Research Coordinating Unit (Continuation).

**Project Director:** Hinley, Hugh
**Organization:** Florida State Univ., Tallahassee. Dept. of Industrial Arts Education
**Address:** Tallahassee, FL 32306
**Descriptors:** *Demonstration Projects, *Educational Change, Educational Research, Evaluation Criteria, Evaluation Methods, Financial Support, *Models, Pilot Projects, Postsecondary Education, Program Improvement, *Research Coordinating Units, *Research Utilization, Secondary Education, *Summative Evaluation
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $34,136 (Charged to FY 1977)
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee
**Contract and/or Control No.:** 7-1C11

The purpose of the project is to assess the overall impact of vocational education research and exemplary projects on educational practices in Florida. Procedures will be to (1) identify patterns of monetary support for Research Coordinating Units sponsored research and exemplary projects; (2) identify and describe target population and participant groups; (3) identify institutional change resulting from participation impact; (4) identify utilization of R&D products; (5) design and implement a model for the annual update of the impact and evaluation products, procedures, and processes developed through the RCU effort; and (6) prepare contract and grant materials and products for microfiching.

### AR 78 0112

### Provision of Consultative Research Assistance for Vocational Education.

**Project Director:** Perkins, L. Hobdy
**Organization:** University of West Florida, Pensacola
**Address:** Pensacola, FL 32504
**Descriptors:** *Consultation Programs, Diffusion, *Educational Coordination, *Educational Planning, Educational Research, *Information Dissemination, *Needs Assessment, *Technical Assistance
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $22,000 (Charged to FY 1977)
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee
**Contract and/or Control No.:** 7-1C11

This project will purchase the consultative services of one individual through the University of West Florida to help coordinate statewide efforts to improve the vocational education efforts of the Bureau of Research, Evaluation, and Dissemination at the University of West Florida. Procedures will include: (1) keeping persons involved in R and D activities informed of developments statewide; (2) providing information to persons assigning resources to research and development about degrees of success and problems encountered; (3) establishing realistic priorities and providing reliable research and development products and processes needed to increase vocational benefits, programs, and services to students, educators, and the general public; and (4) compiling a final report with a detailed evaluation of work showing major activities with projected needs for time and human and material resources.

### AR 78 0113

### Technical Assistance Seminar.

**Project Director:** Tinsley, Burnett R.
**Organization:** Manatee Junior Coll., Bradenton, Fla.
**Address:** 5840 26th Street, Bradenton, FL 33506
**Descriptors:** *Career Education, *Curriculum Development, Curriculum Evaluation, *Experiential Learning, Instructional Materials, Manuals, Program Development, Program Evaluation, *Seminars, *Technical Assistance, Work Experience Programs

**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 20 Apr 78; End Date 30 Sep 79
**Fiscal Year Funding:** $9,000
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee
**Contract and/or Control No.:** 7-2C21

Step-by-step manuals for installing experience-based career education (EBCE) programs based on four national models will be planned, developed, and disseminated as a result of this project's technical assistance seminar. Conducted by staff from the four national EBCE laboratories, the seminar will include participants from Brevard, Orange, and Pinellas school districts and from Manatee Junior College, as well as state-level personnel responsible for overall management of the project. Procedures and curriculum materials for providing performance-based credit in basic subject area courses which satisfy graduation requirements will be identified, reviewed, revised or developed, implemented, and evaluated.

## Exemplary and Innovative (Sec. 132)

### AR 78 0114

**Validation of NOCTI Instruments Using Vocational Education Completion of Florida Comprehensive High Schools.**
**Project Director:** Hill, Raymond
**Organization:** University of South Florida, Tampa
**Descriptors:** Comprehensive High Schools, Evaluation Methods, *Formative Evaluation, *Measurement Instruments, *Predictive Validity, *Skill Development, *Success Factors
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $23,061
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee
**Contract and/or Control No.:** D7-023

Selected NOCTI instruments will be field tested to determine their validity for use in comprehensive high schools in Florida. Supervisors and teachers will be selected to serve as monitors, and forty students from each program area will serve as the sample population. It is hoped that, through use of the NOCTI instruments, the probability will be increased that vocational programs provide the skills that allow program completers to obtain, retain, and advance in a job.

## Curriculum Development (Sec. 133)

### AR 78 0115

**Coordinate Vocational Curriculum Development Activities.**
**Project Director:** Perkins, L. Hobdy
**Organization:** University of West Florida, Pensacola
**Address:** Pensacola, FL 32504
**Descriptors:** *Coordinators, Curriculum Development, Educational Assessment, *Educational Coordination, *Educational Needs, Educational Objectives, Educational Planning, Educational Resources, Educational Strategies, *Information Dissemination, Interinstitutional Cooperation, *Needs Assessment, Postsecondary Education, Secondary Education
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $33,193 (Charged to FY 1977)
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee
**Contract and/or Control No.:** 7-1E11

This project will permit the securing of human resources to complete an efficient establishment and maintenance of systematic programs operated in cooperation with the Bureau of Vocational Program and Staff Development. Objectives of the project are to (1) eliminate unwarranted duplication of efforts among institutions engaged in vocational curriculum development activities; (2) keep persons engaged in those activities knowledgeable of developments underway and of completed developments in vocational curriculum; (3) provide information to persons assigning resources to curriculum design, evaluation, and implementation about degrees of success and of problems encountered with funded programs of work; (4) establish realistic priorities of curriculum development needs on a systematic basis; and (5) provide reliable curriculum products and processes needed to increase the possibility of expanding benefits of vocational programs and courses to students, educators, and the general public.

### AR 78 0116

**Dissemination Coordinator.**
**Project Director:** Mohr, Paul, Jr.
**Organization:** Florida A&M Univ., Tallahassee
**Address:** Tallahassee, FL 32307
**Descriptors:** *Coordinators, Curriculum Development, *Diffusion, *Educational Resources, *Information Dissemination, Information Sources, *Information Utilization, Postsecondary Education, Research Utilization, Secondary Education, *Technology Transfer
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $38,105 (Charged to FY 1977)
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee
**Contract and/or Control No.:** 7-1E11

Continuing and maintaining the dissemination coordinator position in the College of Education is the purpose of the project. Procedures will include: (1) conducting an ongoing analysis of the user group and their needs; (2) preparing a description of practices, procedures, and materials to be disseminated and diffused; (3) identifying advocates and their positions; (4) formulating objectives which are clearly stated in measurable terms; (5) selecting strategies to achieve objectives; (6) implementing strategies; and (7) conducting impact assessments as a basis for revising the process.

### AR 78 0117

**Maintenance of Florida's Educators' Information Service.**
**Project Director:** Lathrop, Robert
**Organization:** Florida State Univ., Tallahassee
**Address:** Tallahassee, FL 32306
**Descriptors:** *Data Bases, *Educational Resources, *Information Retrieval, *Information Services, *Information Storage, *Information Systems, Information Utilization, Postsecondary Education, Research Utilization, Secondary Education
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $124,000
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee
**Contract and/or Control No.:** 7-1E13

The goal of this project is to maintain Florida Educators' Information Service which provides access for vocational educators to research curriculum information storage and ERIC, LOCKHEED-DIALOG, and other data bases available. Procedures include: (1) upon request by vocational educators, identify available materials in specific interest areas and (2) support curriculum development activities in local districts, universities, and junior colleges by conducting nation-wide searches for available materials.

### AR 78 0118

**Vocational-Technical Education Consortium of States (V-TECS) (Continuation).**
**Project Director:** Mohr, Paul, Jr.
**Organization:** Florida A&M Univ., Tallahassee
**Address:** Tallahassee, FL 32307
**Descriptors:** *Behavioral Objectives, Catalogs, Check Lists, Commercial Art, *Criterion Referenced Tests, Farm Mechanics (Occupation), Housewives, Medical Laboratory Assistants, *Performance Based Education, Performance Criteria, Seamstresses, Secondary Education, *Task Performance, Technical Assistance
**Identifiers:** *Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $115,078 (Charged to FY 1977)
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee
**Contract and/or Control No.:** 7-1E12

The objectives of this project are to (1) furnish technical assistance to persons developing catalogs of objectives in selected occupational areas; (2) produce five V-TECS catalogs in occupational areas identified as priorities by the Vocational Division; and (3) supervise activities of all persons developing catalogs. Procedures will be to (1) develop state-of-the-art reports; (2) develop task lists; (3) survey incumbent workers to verify tasks; (4) write objectives for identified tasks; and (5) develop catalogs of objectives following specifications supplied by V-TECS.

### AR 78 0119

**Vocational-Technical Education Consortium of States (V-TECS) (Continuation).**
**Project Director:** Perkins, L. H.
**Organization:** University of West Florida, Tallahassee
**Address:** Tallahassee, FL
**Descriptors:** Agricultural Machinery, *Behavioral Objectives, Catalogs, Check Lists, *Criterion Referenced Tests, *Farm Mechanics (Occupation), *Performance Based Education, Performance Criteria, Secondary Education, *Task Performance
**Identifiers:** *Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $16,667
**Sponsoring Agency:** Florida State Dept. of Education, Tallahassee

**Contract and/or Control No.:** 7-1E12

The project proposes to develop a catalog of performance objectives, criterion referenced measures, performance guides, and tool and equipment lists for the occupation of farm equipment mechanic. Procedures will be to (1) conduct a state-of-the-art study; (2) develop a task list; (3) select, manage, and train writing team; and (4) develop a catalog of objectives, using validation procedures followed by V-TECS.

# GEORGIA

## Research (Sec. 131)

**AR 78 0120**

**Georgia Vocational Education Information System.**
**Project Director:** Simpson, Wiley H.
**Organization:** Georgia State Dept. of Education, Atlanta
**Address:** State Office Building, Atlanta, GA 30334
**Descriptors:** *Data Bases, Data Collection, Educational Finance, Facility Inventory, *Information Centers, *Information Systems, Information Utilization, *Institutional Characteristics, *Program Evaluation, *Program Planning, School Funds, School Statistics
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $245,535
**Sponsoring Agency:** Georgia State Dept. of Education, Atlanta
**Contract and/or Control No.:** 45-10-C506

The purpose of the project is to design, develop, and implement a Vocational Education Information System including data systems for students, inventory, follow up, facilities, staff, and financial data to be utilized by state and local planners and providers of Vocational Education Programs. The design, development, and implementation of the Vocational Education Information System will be based on the utilization of four regional data centers. Collection instruments will be keypunch size cards filled out at the local system and mailed to the data center in their assigned region. Statewide compilation of data needs will be made for state and local utilization.

**AR 78 0121**

**Local Evaluation and External Validation Component of the State Vocational Evaluation System.**
**Project Director:** Fowler, Harmon
**Organization:** Georgia State Univ., Atlanta
**Address:** University Plaza, Atlanta, GA 30303
**Descriptors:** Educational Assessment, Educational Quality, Educational Research, *Evaluation Criteria, Evaluation Methods, *Field Studies, Guidelines, Postsecondary Education, *Program Evaluation, *Program Validation, School Visitation, Secondary Education, *Standards
**Funding Period:** Start Date 10 Jan 78; End Date 14 Aug 78
**Fiscal Year Funding:** $7,623
**Note:** This project also received $28,661 under state funds in FY 1978.
**Sponsoring Agency:** Georgia State Dept. of Education, Atlanta
**Contract and/or Control No.:** C682

Project objectives are to develop and field test standards, procedures, guidelines, instruments, and other documents necessary for the implementation of a statewide system of vocational evaluation by onsite visitation. Procedures will include: (1) collecting the existing materials; (2) reviewing the process used by other states; (3) developing the system; and (4) field testing materials at two secondary and two postsecondary sites. A project advisory committee, field review team, and third party evaluations will be used to ensure quality performance. Products to be delivered include: (1) standards for vocational programs in secondary schools; (2) standards for vocational programs in postsecondary area vocational schools and junior colleges; (3) a procedural guide for onsite visitations to secondary schools; (4) a procedural guide for onsite visitations to postsecondary institutions; (5) a self-study guide, with instruments designed to support standards for programs in secondary schools; and (6) a self-study guide, with instruments designed to support standards developed for postsecondary area vocational schools.

**AR 78 0122**

**Membership in the Vocational-Technical Education Consortium of States.**
**Project Director:** Eaddy, Ken
**Organization:** Vocational Technical Education Consortium of States, Atlanta, Ga.
**Address:** 795 Peachtree Street, NE, Atlanta, GA 30308
**Descriptors:** Articulation (Program), *Catalogs, *Consortia, Curriculum Development, *Curriculum Guides, *Educational Resources, Group Membership, *Instructional Materials, Material Development, *Performance Based Education, Postsecondary Education, Quality Control, Secondary Education, Technical Assistance
**Identifiers:** *Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $15,000
**Sponsoring Agency:** Georgia State Dept. of Education, Atlanta, Ga.

Job-specific catalogs of performance objectives and performance guides will be produced at greatly reduced costs, and articulation will be established between secondary and postsecondary programs as a result of Georgia's membership in the Vocational-Technical Education Consortium of States. In addition, quality control and technical assistance will be provided in developing the catalogs and guides and in applying the performance objectives in the development and revision of curriculum. Central office approval will be required for specified interim products and final catalogs. Periodic board meetings will be held. New state consortium personnel will be trained and all personnel informed of changes in production procedures and requirements.

**AR 78 0123**

**Research Proposal for Adapting Existing Group-Structured Curriculum at Augusta Area Technical School to a Performance-Based Curriculum Geared to the V-TECS Catalog.**
**Project Director:** Powell, Raymond C.
**Organization:** Augusta Area Vocational-Technical School, Ga.
**Address:** 2025 Lumpkin Road, Augusta, GA 30906
**Descriptors:** *Behavioral Objectives, Curriculum Development, *Media Selection, Models, Needs Assessment, *Performance Based Education, Performance Criteria, *Postsecondary Education, *Program Development
**Identifiers:** *Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $15,528
**Sponsoring Agency:** Georgia State Dept. of Education, Atlanta
**Contract and/or Control No.:** C654

Specific objectives of the project will be to (1) develop a model for converting group-structured curriculum to performance-based curriculum; (2) develop and implement a pilot study to include two instructional programs at Augusta Area Technical School; and (3) develop or identify performance objectives, criterion-referenced measures, and performance guides for each major instructional unit. Procedures will include: (1) appointing a steering committee; (2) surveying needs of local industry and businesses; (3) conducting assessment of existing curriculum at Augusta Tech; (4) identifying broad program objectives; (5) identifying, collecting, and researching V-TECS catalogs and other materials necessary for developing a performance-based curriculum model; (6) developing a model for pilot study; (7) developing and implementing pilot programs; (8) disseminating results of pilot study and materials developed in Phase I; and (9) developing plans and procedures for Phase II.

## Curriculum Development (Sec. 133)

**AR 78 0124**

**Development of Performance Objectives and Criterion-Referenced Measures for Vocational Programs.**
**Project Director:** Skutack, Dan
**Organization:** Georgia State Univ., Atlanta
**Address:** 33 Gilmer Street, SE, Altanta, GA 30303
**Descriptors:** Criterion Referenced Tests, *Curriculum Guides, Educational Resources, *Electrical Appliance Servicemen, *Electronic Technicians, *Instructional Materials, Material Development, *Performance Based Education, Task Analysis
**Identifiers:** *Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Apr 78; End Date 30 Sep 79
**Fiscal Year Funding:** $49,962
**Sponsoring Agency:** Georgia State Dept. of Education, Atlanta
**Contract and/or Control No.:** C-008

Vocational-Technical Education Consortium of States (V-TECS) catalogs and appropriate by-products for appliance repairers and electronics technicians will be developed and disseminated to V-TECS member states and made available to nonmembers. The job titles to be included in the catalogs will be defined, a state-of-the-art review conducted, an occupational inventory of tasks developed, and an occupational survey administered. A writing team will then convert survey data into the performance objectives and performance guides.

# IDAHO

## Research (Sec. 131)

**AR 78 0125**

**Assessment of Sex Equity in the State of Idaho.**
**Project Director:** Kaufman, Jack J.
**Organization:** Idaho Univ., Moscow
**Address:** Moscow, ID 83843
**Descriptors:** Administrator Attitudes, *Affirmative Action, Counselor Attitudes, Data Bases, Educational Discrimination, *Enrollment Influences, Equal Education, *Guidelines, *Program Attitudes, *School Demography, School Statistics, *Sex Discrimination, Sex Fairness, Student Attitudes, Teacher Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 1 Jul 78
**Fiscal Year Funding:** $6,800
**Sponsoring Agency:** Idaho State Dept. of Education, Boise
**Contract and/or Control No.:** R-16-78

Project objectives are to (1) determine the proportion, by sex, of administrators, teachers, counselors, and students making up the population of participants in vocational programs presently funded in Idaho; (2) assess the degree of sex bias of administrators, teachers, and counselors of vocational programs in Idaho; (3) collect and assess data from leaders in the sex equity movement which may be used by the Idaho State Division of Vocational Education to develop guidelines for enrollment proportions for reimbursed vocational programs within the state; and (4) additional objectives as may be determined by the administrator of state staff of the State Division of Vocational Education. Present enrollment data will be collected and analyzed, the vocational population will be surveyed for perceptions of present status and future goals, and leaders from the field of sex equity will be surveyed to provide expert input for developing future goals.

**AR 78 0126**

**Idaho Vital Information for Education and Work (VIEW) Dissemination.**
**Project Director:** Charlton, Robert
**Organization:** Tri-District Special Services, St. Anthony, Idaho
**Address:** 48 East 1st North, St. Anthony, ID 83445
**Descriptors:** Grade 11, Grade 12, *Information Dissemination, *Occupational Information, Public Schools, *Secondary Education, *Vocational Counseling, Workshops
**Identifiers:** *Vital Information for Education and Work
**Funding Period:** Start Date 15 Dec 77; End Date 17 Feb 78
**Fiscal Year Funding:** $900
**Sponsoring Agency:** Idaho State Dept. of Education, Boise
**Contract and/or Control No.:** R-12-78

Vocational occupational information will be provided for counseling public school students at the eleventh- and twelfth-grade level. At workshops conducted at six central locations throughout the state, the revised Idaho Vital Information for Education and Work (VIEW) material will be disseminated to representatives from secondary schools which offer instruction at the eleventh- and twelfth-grade levels, the use of VIEW materials will be explained and reviewed, and ideas will be exchanged.

**AR 78 0127**

**Placement and Follow-Up of Vocational Education Graduates.**
**Organization:** Boise State Univ., Idaho
**Address:** Boise, ID 83725
**Descriptors:** Followup Studies, *Graduate Surveys, *Job Placement, Postsecondary Education, *Student Placement, *Vocational Followup
**Funding Period:** Start Date 1 May 78; End Date 30 Jun 78
**Fiscal Year Funding:** $4,086
**Sponsoring Agency:** Idaho State Dept. of Education, Boise
**Contract and/or Control No.:** R-15-78

The purpose of the project is to determine current placement and followup procedures used in Idaho postsecondary vocational schools by onsite visitation of each school. Procedures will be to contact industry personnel departments statewide to obtain their recommendations for improving procedures for placement and followup and to write a summary paper of the findings which will include a recommended procedure to improve placement and followup on a statewide basis.

**AR 78 0128**

**Research Familiarization Project for Idaho Office Occupations Teachers.**
**Project Director:** Kessell, R. M.
**Organization:** Idaho Univ., Moscow
**Address:** Moscow, ID 83843
**Descriptors:** Curriculum Development, Data Bases, Educational Research, *Information Retrieval, *Information Utilization, *Inservice Teacher Education, *Nonparametric Statistics, *Office Occupations Education, *Research Utilization
**Funding Period:** Start Date 12 Jun 78; End Date 23 Jun 78
**Fiscal Year Funding:** $12,804
**Sponsoring Agency:** Idaho State Dept. of Education, Boise
**Contract and/or Control No.:** R-14-78

Project objectives are to (1) evaluate relevant research in office occupations, including typewriting, shorthand, office practice, bookkeeping and accounting, data processing, simulations, individualized instruction, career education, curriculum, cooperative programs, youth groups in vocational education, standards, and evaluation; (2) present the rudimentary elements of statistical procedures in non-mathematical language; and (3) learn how to translate research findings into improved classroom practices. A non-mathematical, common sense approach to non-parametric statistics will be used. The topics of standard deviation, correlation, t-z-f scores, Chi square, standard error of measurement, analysis of variance, and (possibly) regression equations will be covered. The participants will have the opportunity to examine approximately 225 research studies covering all office occupations subjects. The teachers will be shown how to use the services of the ERIC installation at the University of Idaho Library, plus the AIM and ARM services of the National Center for Vocational Education Research at the Ohio State University.

## Exemplary and Innovative (Sec. 132)

**AR 78 0129**

**Air Conditioning and Refrigeration.**
**Organization:** Idaho School District 372, New Plymouth
**Address:** 207 S. Plymouth Avenue, New Plymouth, ID 83655
**Descriptors:** *Air Conditioning, Basic Skills, Courses, Curriculum Development, *Experiential Learning, Guidelines, Job Skills, Material Development, *Refrigeration, *Refrigeration Mechanics, Senior High Schools, *Skill Development
**Funding Period:** Start Date 1 Jul 78; End Date 31 Jul 78
**Fiscal Year Funding:** $10,587
**Sponsoring Agency:** Idaho State Dept. of Education, Boise
**Contract and/or Control No.:** E-23-78

A general course will be developed which will provide basic entry-level employment skills to all high school students in New Plymouth in the area of air conditioning and refrigeration, broaden the curriculum so that students can more realistically choose an academic or technical approach to postsecondary education, and provide basic skills that may be positively transferred to a vocation or training other than air conditioning and refrigeration or that may be used by the high school graduate in a private setting. Sophomores will meet for one period each day; in addition to an introduction to the subject matter theory, they will receive instruction in tool identification and basic design. Juniors will meet for two periods each day; they will study theory, learn to make simple diagnostic repairs, and receive hands-on training in compressors, electric motors, and air-handling units. Seniors will meet for three periods each day; they will review previous studies, receive advanced hands-on experiences, and be provided projects on which to work. The curriculum and materials developed in this project will be transferable to other locations in Idaho and will be available, along with guidelines, through the state board for vocational education.

**AR 78 0130**

**Individualized Business Education Laboratory (IBEL).**
**Project Director:** Bedke, Ruby C.; Hurst, Norman
**Organization:** Burley School District 151, Idaho

**Address:** Burley, ID
**Descriptors:** *Business Education, *Business Education Facilities, *Business Skills, *Individualized Instruction, Individual Needs, Instructional Materials, *Learning Laboratories, Multimedia Instruction, Office Machines, *Program Development, Senior High Schools, Skill Development
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $15,000
**Sponsoring Agency:** Idaho State Dept. of Education, Boise
**Contract and/or Control No.:** E-30-78

To increase the number of students and adults who could develop employable skills in vocational business education, the development of an existing business education laboratory (IBEL) will be continued and a second classroom will be converted into an IBEL. The up-to-date equipment and audiovisual media will help students attain knowledge and marketable skills in typewriting, magnetic keyboard typewriting, machine transcription, duplicating including offset duplicating, mathematics and communications for the office, business English, telephone techniques, the world of work, records management, business calculating machines, accounting, data processing, alphabet shorthand, and symbol shorthand. Other business areas will be included as learning materials become available. Students will enter the program on an ungraded basis and concentrate on those specific skills and areas in which they are deficient. Individual needs and differences in learning rates, abilities, and motivation, as well as the scheduling needs of the high school, will be met by this program.

**AR 78 0131**

**Nutrition for Disadvantaged.**
**Project Director:** Wesche, Marjorie
**Organization:** Nampa School District 131, Idaho
**Address:** Nampa, ID 83651
**Descriptors:** Career Awareness, Curriculum Development, *Disadvantaged Youth, Eating Habits, Elementary School Teachers, Elementary Secondary Education, *Foods Instruction, High School Students, *Home Economics Education, Instructional Materials, Nutrition, *Nutrition Instruction, *Peer Teaching, *Resource Units, Unit Plan
**Funding Period:** Start Date 20 Aug 77; End Date 5 Jun 78
**Fiscal Year Funding:** $15,000
**Sponsoring Agency:** Idaho State Dept. of Education, Boise
**Contract and/or Control No.:** E-26-78

A peer-teaching technique in which senior high school homemaking students assist elementary school teachers in nutrition instruction will be implemented. After elementary teachers desiring units contact the project director, preplanning and planning sessions will be held and a unit written by the teacher and coordinator. High school students will then be prepared by the coordinator to present the unit. Students will be given released time to teach under the direction of the coordinator and their presentations will be evaluated. Students will gain an understanding of ethnic meal patterns and learn better eating habits, nutritional information, and the use of food. Nutrition-related job opportunities and food handling and its relationship to the preservation of nutrients will be considered. A booklet of nutrition units identifying concepts, objectives, activities and resources as well as pre- and post-tests and other useful materials will be developed for high school homemaking teachers wishing to use peer-teaching techniques in their nutrition instruction.

**AR 78 0132**

**Satellite Operating Room Technology Program.**
**Project Director:** Curtis, Elizabeth
**Organization:** Boise State Univ., Idaho
**Address:** 1910 University Drive, Boise, ID 83725
**Descriptors:** *Clinical Experience, Correspondence Courses, Decentralized School Design, Educational Innovation, *Experiential Learning, *Interinstitutional Cooperation, Nursing, On the Job Training, *Program Coordination, *Satellite Laboratories, Surgery, *Surgical Technicians, Work Experience Programs
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $2,473
**Sponsoring Agency:** Idaho State Dept. of Education, Boise
**Contract and/or Control No.:** E-31-78

A satellite operating room technology program will be instituted which will allow students to receive a block of theory instruction in the Boise State University (BSU) classrooms and laboratories for approximately eight weeks and then receive clinical experience in their own hospital. The remaining theory will be received via correspondence study and periodic visitations from the BSU instructor. The students will pass the same entrance requirements as the in-students and will follow the same curriculum; however, these students will be expected to make arrangements with the sponsoring hospital for the clinical experience. The instructor will make initial visits to the sponsoring hospital, organize the program there, select a supervisor for the student, and orient the hospital concerning the goals of the program. In order to assess the students the instructor will visit the clinical area every eight weeks. Organized as a pilot study, this program will eventually have three students enrolled.

**AR 78 0133**

**Therapy Technician Assistant.**
**Project Director:** Christofferson, John E.
**Organization:** Eastern Idaho Vocational Technical School, Idaho Falls
**Address:** Idaho Falls, ID
**Descriptors:** *Clinical Experience, *Educational Programs, Emotionally Disturbed, *Experiential Learning, Medical Services, Mental Illness, *Paramedical Occupations, *Paraprofessional Personnel, Patients (Persons), Skill Development, *Therapists
**Identifiers:** Therapy Technician Assistant
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $17,675
**Sponsoring Agency:** Idaho State Dept. of Education, Boise
**Contract and/or Control No.:** E-29-78

The fourteen graduates of the program proposed in this project will be able to successfully enter the job market at the entry level as therapy technician assistants. Students will be trained in motivating mentally ill and emotionally disturbed patients to develop self-help, self-care, and social skills. Students will learn to observe and record significant human behavior, provide basic physical care, develop interpersonal relationships with patients, and reinforce appropriate behavior. In addition to classroom theory, clinical experience will expose students to all units at the State Hospital South of Blackfoot, the Good Samaritan Nursing Home, the Child Development Center, the Developmental Workshop, the Alcohol Rehabilitation Association, and the Youth Service Center in St. Anthony.

## Curriculum Development (Sec. 133)

**AR 78 0134**

**Integrating HERO into Consumer/Homemaking Curricula.**
**Project Director:** Condie, Helen
**Organization:** Idaho State Univ., Pocatello
**Address:** Pocatello, ID 83201
**Descriptors:** *Consumer Education, Course Content, Curriculum Development, *Curriculum Guides, *Curriculum Research, Guidelines, *Homemaking Education, Senior High Schools, *Teacher Developed Materials, *Teacher Workshops
**Funding Period:** Start Date 19 Jun 78; End Date 30 Jun 78
**Fiscal Year Funding:** $7,893
**Sponsoring Agency:** Idaho State Dept. of Education, Boise
**Contract and/or Control No.:** C-02-78

Project objectives are to (1) review state, national, and commerical HERO curricula; (2) develop guidelines for integrating units of HERO into six semester courses; and (3) prepare approximately 100 pages of curricula for insertion into the present senior high consumer/homemaking guide. During the first, week, the teachers will be involved in a workshop revicwing all the present material available from USOE, and that published in other states. The second week, the teachers will develop/adapt materials for the curriculum guide in the adapted format presently used. An outside consultant will assist one week without cost to the project. This person will remain three extra days to assist the other consultants in preparation and review of photo-ready copy.

**AR 78 0135**

**Practical Nursing Curriculum-Revision Workshop.**
**Project Director:** Ramsey, Bette
**Organization:** Orval Bradley College of Southern Idaho, Twin Falls
**Address:** Twin Falls, ID
**Descriptors:** Curriculum Development, *Curriculum Guides, *Health Occupations Education, *Practical Nursing, *Teacher Developed Materials, *Teacher Workshops
**Funding Period:** Start Date 22 May 78; End Date 23 Jun 78
**Fiscal Year Funding:** $4,733
**Sponsoring Agency:** Idaho State Dept. of Education, Boise
**Contract and/or Control No.:** C-07-78

To better train practical nurses in Idaho a curriculum guide in practical nursing for Idaho health occupations instructors will be developed by a curriculum consultant and six instructors selected from existing practical nursing programs. These individuals will meet for two one-week periods to revise the existing practical nursing curriculum guide. The state health occupations supervisor will act as facilitator and consultant; the curriculum consultant will direct the workshop and development of the curriculum guide to completion.

**AR 78 0136**

**Shorthand Curriculum Guide Workshop.**
**Project Director:** Kessell, R. M.

**Organization:** Idaho Univ., Moscow
**Address:** Moscow, ID 83843
**Descriptors:** Curriculum Development, *Curriculum Guides, Inservice Teacher Education, *Office Occupations Education, Standards, *Stenography, *Student Evaluation, *Teacher Developed Materials, *Teacher Workshops, Teaching Guides, Teaching Procedures
**Funding Period:** Start Date 26 Jun 78; End Date 7 Jul 78
**Fiscal Year Funding:** $8,391
**Sponsoring Agency:** Idaho State Dept. of Education, Boise
**Contract and/or Control No.:** C-01-78

The purposes of the project are to (1) provide a curriculum guide in shorthand for Idaho office occupations teachers; (2) write the guide in a manner that it may be easily translated into effective classroom teaching procedures; (3) develop sample materials appropriate for testing over a four-semester shorthand program; (4) develop a set of standards covering a four-semester shorthand program; and (5) develop materials which have the possibility of helping teachers assign fair student grades in shorthand. A workshop will meet daily and all participants are expected to attend all sessions. Typewriters, duplication facilities, current literature, and books will be available in adjacent rooms. Participants are to be selected by the state supervisors of office occupations and the project director and will be selected on the basis of competence in one or more of the procedures for teaching shorthand. Participants will be assigned to work on topics either serially or concurrently (as the situation demands) because it is nearly impossible to predict completion times in advance.

**AR 78 0137**

**Staff Development Program for Idaho Vocational-Technical Instructors.**

**Project Director:** Krug, Jon
**Organization:** Idaho State Univ., Pocatello
**Address:** Pocatello, ID 83201
**Descriptors:** Curriculum Development, *Delivery Systems, *Inservice Teacher Education, *Needs Assessment, *Performance Based Teacher Education, Postsecondary Education, Secondary Education, *Staff Improvement
**Funding Period:** Start Date 15 Apr 78; End Date 29 Sep 78
**Fiscal Year Funding:** $4,950
**Sponsoring Agency:** Idaho State Dept. of Education, Boise
**Contract and/or Control No.:** C-03-78

The objective of the project is to design, implement, evaluate, and refine a statewide delivery system for staff development of vocational-technical instructors (secondary and postsecondary levels) based upon competency information. Procedures will include: (1) conducting a needs assessment; (2) designing a delivery system format and content; (3) conducting a pilot delivery system; and (4) refining pilot delivery system for staff development of vocational-technical instructors.

# ILLINOIS

## Research (Sec. 131)

**AR 78 0138**

**Analysis and Synthesis for State-Wide Area Center Planning.**
**Project Director:** Ferratier, Louis A.
**Organization:** Southern Illinois Univ., Carbondale
**Address:** Carbondale, IL 62901
**Descriptors:** *Area Vocational Schools, Data Analysis, *Data Bases, Data Collection, Delivery Systems, *Educational Needs, *Educational Planning, Needs Assessment
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $19,307
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-557

The major objective of this project is to collect, analyze, and synthesize data pertinent to the need, development, and operation of Area Vocational Centers in Illinois. Further, the final report of this project should serve as a comprehensive data base to facilitate long range planning activities directed toward full implementation of the Area Center concept in Illinois. A comprehensive search of varidus sources (i.e., IOE reports, SIU library holdings, etc.) will be conducted to accumulate the raw data. The raw data will be categorized and grouped according to its influence on the need, development, or operation of an AVC. Various statistical treatments will be applied to the raw data utilizing extant DP packages, and the results presented in the final report.

**AR 78 0139**

**Assessment of the Impact of Vocational Education Programs on Individuals in Illinois.**
**Project Director:** Carvell, Fred
**Organization:** CARVELL Education Management Planning, Los Altos, Calif.
**Address:** P.O. Box 531, Los Altos, CA 94022
**Descriptors:** Data Collection, *Educational Needs, *Educational Planning, Enrollment, *Program Effectiveness, *Program Evaluation, Student Characteristics, *Student Evaluation, *Student Needs
**Funding Period:** Start Date 15 Mar 78; End Date 31 Aug 78
**Fiscal Year Funding:** $21,522
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-622

Objectives of this project are to (1) identify present enrollment patterns in vocational education programs under the auspices of AVTE and other training agencies in the state; (2) determine the characteristics of students enrolled in various vocational programs in each region and geographic location in the state; (3) identify the extent of efforts by LEA's and other training agencies to identify and meet the needs of individual students and the communities they serve; (4) identify and describe exemplary practices in meeting the needs of particular student groups and individuals; (5) identify types and sources of data needed for planning and assessing vocational programs for students with special needs; and (6) develop recommendations for future AVTE planning and implementation in meeting societal needs and problems in the state. Five study phases will include (1) review of all pertinent data files and program records housed at the AVTE and other training agencies included in the study; (2) personal interviews with knowledgeable persons from appropriate state agencies, manpower training programs, and special interest groups with concern for the needs of various target populations for vocational education; (3) a mail survey of all LEA's under the auspices of AVTE and other identified training agencies in the state; (4) onsite visits to a selected group of fifteen to twenty program sites located in various geographic regions and settings in the state; and (5) a student followup analysis at the sites selected for visits by the study team to be supplemented by followup efforts by the study team with selected students.

**AR 78 0140**

**AVTE Communication Audit for a Public Relations/Information Program.**
**Project Director:** Stromberg, Elden D.
**Organization:** University Graphics Inc., Springfield, Ill.
**Address:** 530 South Grand West, Springfield, IL 62704
**Descriptors:** *Adult Education, *Information Dissemination, *Organizational Communication, Pamphlets, *Program Development, *Publicize, *Public Relations
**Funding Period:** Start Date 1 Feb 78; End Date 15 Mar 78
**Fiscal Year Funding:** $5,250
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-585

Objectives of this project are to identify the needs and objectives of AVTE as they relate to communications in adult education, vocational/technical education and comprehensive training under CETA; develop a program which will achieve substantial measurable increases in the awareness of target populations served by AVTE; and provide design and production services for the preparation of an AVTE departmental brochure. Information will be gathered regarding AVTE, its mission, program areas and publics served through interviews, observations and analysis. Research and interview findings will be summarized into a Communications Audit Report for the development of an AVTE public relations/information program. Design and production services will be provided for the preparation of an AVTE brochure. The end product from this project will be a comprehensive proposal for the implementation of a public relations/information program in vocational education.

**AR 78 0141**

**Comprehensive Needs Assessment Study of Vocational Education Programs and Services within Illinois.**
**Project Director:** Mohrenweiser, Gary
**Organization:** Educational Management Services, Inc., Minneapolis, Minn.
**Address:** 4510 West 77th Street, Suite 150, Minneapolis, MN 55435
**Descriptors:** Educational Strategies, *Federal State Relationship, *Needs Assessment, *Program Evaluation, *Program Planning
**Funding Period:** Start Date 1 Jul 77; End Date 30 Sep 77
**Fiscal Year Funding:** $18,375
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RDC-A7-272

A comprehensive needs assessment project will be extended for three months to inventory and profile characteristics of current vocational education programs and services, determine the adequacy of vocational education programs and services in terms of present and projected needs, and document feasible alternative implementation strategies. Study results will provide direction for the growth and development of the local-state-federal relationship for providing vocational education programs and services in Illinois. A final report will be produced.

**AR 78 0142**

**Current and Future Employment Opportunities in New and Emerging Occupations within Illinois.**
**Project Director:** Drewes, Donald W.
**Organization:** CONSERVA, Inc., Raleigh, N. C.
**Address:** 401 Oberlin Road, Suite 110-112, Raleigh, NC 27605
**Descriptors:** Curriculum Planning, *Demand Occupations, *Educational Needs, Employment Opportunities, *Employment Projections, *Employment Trends, *Job Analysis, Job Skills, Manpower Needs, Occupational Information, Postsecondary Education, Secondary Education
**Identifiers:** *Emerging Occupations
**Funding Period:** Start Date 1 Mar 78; End Date 31 Aug 78
**Fiscal Year Funding:** $49,971
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-599

The project will (1) identify new and emerging occupations in the State of Illinois; (2) determine activities performed and skills required in each new and emerging occupation; (3) determine appropriate types and levels of training required in each identified new and emerging occupation; (4) obtain estimates of the current and future state-wide and sub-state area demand for workers in identified new and emerging occupations; and (5) describe occupational training needs by level (secondary/post-secondary), content, and sub-state region for each new and emerging occupation. Procedures will be to (1) review literature, legislation, and policies pertaining to new and emerging occupations; (2) identify organizations, agencies, and associations which are potential sources of information in new and emerging occupations; (3) conduct a telephone survey of agencies/organizations/associations; (4) review, synthesize, and interpret the survey data; (5) identify and obtain demand related statistical data; and (6) estimate demand for occupations previously identified.

**AR 78 0143**

**Curriculum Guide; Business Education into the Eighties.**
**Project Director:** Alexander, Wilma Jean
**Organization:** Illinois State Univ., Normal
**Address:** School Street, Normal, IL 61761
**Descriptors:** *Business Education, *Curriculum Planning, Equal Education, Information Dissemination, Secondary Education, *State Curriculum Guides
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $16,826
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-568

The project will (1) revise the state curriculum guide, "Business Education for the Seventies;" (2) develop the revised guide to reflect the philosophy of business educators throughout the state of Illinois: (3) develop a guide which adequately reflects changes in technology which have and will affect the business world such as mini computers and word processing; (4) present the information in a format which can be updated at regular intervals through to 80's to reflect the changes which may occur in the business world requiring an update and/or expansion of the business education curriculum; (5) provide a guide which could be a basis of equalizing educational opportunities in business education throughout the state of Illinois; and (6) provide for dissemination of the information to all prospective users of the guide. A committee for each of 16 topic areas will be formed. Regional presidents will be contacted asking them to select three individuals, one secondary, one community college, and one university, to represent their regional organization on each of the 16 committees for a brainstorming session. The committees will use the information gained from the brainstorming sessions to supplement the development of their assigned topic. A member of the Publications Committee will be assigned to each of the committees in a liaison position to assure continuity and uniformity during the development process. Committees will work independently in development of the content to be included in their assigned topic area. Dissemination will be various methods such as county institutes, regional teachers' meetings, IVA Spring Conference, DAVTE workshops, mail, clearinghouse, etc.

**AR 78 0144**

**Development and Pilot Testing of an EBCE Instructional Kit.**
**Project Director:** Nelson, Robert E.
**Address:** 2109 Bristol, Champaign, IL 61820
**Descriptors:** *Career Education, Demonstration Programs, *Experiential Learning, *Inservice Teacher Education, Instructional Materials, *Learning Modules, *Preservice Education, Program Development, Program Evaluation
**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 1 Mar 78; End Date 30 Aug 78
**Fiscal Year Funding:** $9,284
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-608

The overall objective of this project is to prepare a POP Kit which would explain the total EBCE program to be used at both pre- and inservice levels. Other specific objectives, which would be accomplished through the development of the EBCE/POP Kit, include synthesis of research on programs relating to EBCE; overview and comparison of the four EBCE models (RBS, AEL, FWL, NWREL); identification of important features and strengths of each model; implementation experiences of local LEA's in Illinois regarding the EBCE programs; and identification of potential strategies for implementing an EBCE program in an LEA. Procedures will be to devise criteria to determine number and complexity of behaviors to include in the EBCE/POP Kit; identify terminal objectives for each section of the EBCE/POP Kit; develop and pilot test the EBCE/POP Kit; revise the EBCE/POP Kit based on various types of feedback; and make presentations regarding the project and submit 100 copies of the written materials to the Illinois DAVTE.

**AR 78 0145**

**Development of a Public-Supported Educational Program for Young Farmers and Agribusiness Persons in Illinois.**
**Project Director:** Quarles, Thomas
**Organization:** Western Illinois Univ., Macomb
**Address:** Macomb, IL 61455
**Descriptors:** *Agribusiness, *Agricultural Production, Educational Finance, *Educational Needs, Needs Assessment, Postsecondary Education, Program Design, *Program Development, Student Needs, *Young Farmer Education
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $5,915
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-582

This project will conduct a needs assessment of young farmer programs in the state of Illinois by: (1) conducting a series of interface meetings involving selected agricultural leaders to become aware of problems and current emphasis on existing young farmer work and (2) identifying and studying the needs of young farmer programs both now and in the future. The project will develop criteria for conducting meaningful young farmer programs in the future and recommend any needed changes in funding at the local public school level to encourage the development of young farmer programs in each community in the state which possesses an agricultural occupations education program. Alternative programs or systems will be developed and studied, if needed, in order to develop a quality young farmer program in Illinois. The best alternative young farmer program will be selected and recommendations made for its implementation in Illinois. Procedures will include: (1) appointing and assembling an Illinois Young Farmer Study Council composed of one representative each from the agricultural education teacher training institutions in Illinois, the Illinois Association of Vocational Agriculture Teachers, the Illinois Association of Community College Agriculture Instructors, and the Division of Adult, Vocational and Technical Education, and two representatives of the Illinois Young Farmer Advisory Committee; (2) scheduling a series of three interface meetings to develop a program which will serve the educational needs of Illinois Young Farmers and Agribusiness Persons; and (3) evaluating the interface meetings by July 31, 1978, and extend the proposed program designed by this process to all agricultural occupations departments in Illinois by August 13, 1978.

**AR 78 0146**

**Development of Illinois Model Career Clusters and Audiovisual Materials Concerning Each Cluster.**
**Project Director:** Gnaedinger, John P.
**Organization:** Soil Testing Services, Inc., Northbrook, Ill.
**Address:** 111 Pfingsten Road, Northbrook, IL 60062
**Descriptors:** *Audiovisual Aids, *Career Education, *Material Development, *Models, *Occupational Clusters, Visual Aids
**Funding Period:** Start Date 1 Apr 78; End Date 31 Aug 78
**Fiscal Year Funding:** $56,400
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-631

The objective of this project is to develop model career clusters and audiovisual and visual aids for use in career awareness programs for students. Procedures of this project will be to review existing career clustering concepts; identify the most effective career clustering concept; document selection and relationship of the career clustering concept; select a primary advisory committee; select a sample of clusters from the adopted career clustering system; assemble six to eight people employed in each cluster area to accumulate information relevant to that particular cluster area; develop slide/tape presentations, wall charts and pamphlets in four to six school districts; and field test the slide/tape presentations, wall charts and pamphlets in four to six school districts.

**AR 78 0147**

**DuPage Area Vocational Education Authority (DAVEA) Extension Training (DET).**
**Project Director:** Gibson, John R.
**Organization:** DuPage Area Vocational Education Authority Center, Addison, Ill.
**Address:** 301 North Swift Road, Addison, IL 60101
**Descriptors:** *Area Vocational Schools, *Educational Alternatives, Educational Finance, Educational Needs, Educational Planning, *Extension Education, *Individualized Programs, Program Evaluation, *Program Planning, Student Needs, Unit Costs
**Funding Period:** Start Date 19 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $7,740
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-560

The project will (1) determine the numbers of students/clients each supporting agency would enroll; (2) meet, in the plan of implementation, the unique contractual requirements of each funding source; (3) determine all possible funding (financing) sources and how to utilize them in the operation of vocational training; (4) develop a plan which allows alternate patterns of enrolling students, (e.g., quarters, semesters, contracted number of hours, alternate day schedules); (5) determine the DAVEA capability (faculty, facility, program) available to meet the varied needs; (6) develop the unit costs for this alternative training; and (7) incorporate a comprehensive evaluation system. A planning coordinator will be retained who, with supportive services and direction from a committee of representatives from participating area agencies, will identify both the specific training needs of all area agency clientele and potential enrollments, and develop a plan of action within four months that can deliver vocational training in a flexible manner to meet the needs identified. This project will provide a model for area centers to follow in terms of providing alternatives to the traditional process of education. This report will also deal with the non-high school populations that could be served by the center.

**AR 78 0148**

**Equity Implications of Selected Specifications of Wealth in the Illinois Vocational Grant-in-Aid Formula.**

**Organization:** Illinois State Univ., Normal. Dept. of Educational Administration

**Address:** Degarmo Hall, Normal, IL 61761

**Descriptors:** *Educational Finance, *Financial Needs, *Measurement Techniques, *School District Spending, School Funds, Secondary Schools, *State Aid

**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78

**Fiscal Year Funding:** $3,137

**Sponsoring Agency:** Illinois State Office of Education, Springfield

**Contract and/or Control No.:** RD1-A8-575

The most equitable measurement of school district wealth will be determined to provide for equitable allocation of vocational funds. The distribution of vocational aid to school districts offering secondary vocational education programs will be calculated for nine simulated specifications of wealth. Selected equity criteria will be used to evaluate the distribution.

**AR 78 0149**

**Handbook and Materials for Advisors, Students and Teacher-Educators of Vocational Student Organizations.**

**Project Director:** Paprocki, Wayne J.

**Organization:** Illinois Coordinating Council for Vocational Student Organizations, Sycamore

**Address:** Sycamore, IL

**Descriptors:** Cocurricular Activities, *Faculty Handbooks, *Leaders Guides, *Leadership Training, *Manuals, *Student Leadership, *Student Organizations, Student Participation

**Funding Period:** Start Date 15 Oct 77; End Date 30 Jun 78

**Fiscal Year Funding:** $30,000

**Sponsoring Agency:** Illinois State Office of Education, Springfield

**Contract and/or Control No.:** RDE-A8-562

In order to expand and improve the opportunities of vocational students to be involved in vocational student organizations, the major objectives of this project are to (1) revise and update the ICCVSO advisor's handbook to make it more functional and usable for all vocational student organizations and (2) to develop a Student Leadership Handbook by including in one handbook those areas of leadership that are mutual and relevant to all students of all vocational student organizations. Procedures will be to (1) establish a steering committee representative of all vocational student organizations within the constitutional structure of the ICCVSO; (2) subcontract with an appropriate postsecondary institution to develop the leadership handbooks for both advisor's and students: (3) secure steering committee approval of format for each handbook; (4) secure steering committee approval of content of handbook; (5) duplicate and distribute copies of completed handbooks to selected vocational educators and students in leadership positions in vocational education; and (6) field test the advisor's handbook and student leadership handbook and prepare an evaluation of both documents.

**AR 78 0150**

**Implementation of Clothing/Apparel, Accessories, and Home Furnishings Merchandising Curriculums in Secondary School.**

**Project Director:** Lindstrom, Harriett

**Organization:** Community High School District 99, Downers Grove, Ill.

**Address:** 1860 63rd Street, Downers Grove, IL 60515

**Descriptors:** Comprehensive High Schools, Curriculum Development, *Curriculum Guides, Curriculum Research, *Fashion Industry, *Home Furnishings, *Interdisciplinary Approach, Job Skills, Manpower Needs, *Merchandising, *Program Development, Secondary Education, Senior High Schools

**Funding Period:** Start Date 15 Feb 78; End Date 15 Aug 78

**Fiscal Year Funding:** $12,855

**Sponsoring Agency:** Illinois State Office of Education, Springfield

**Contract and/or Control No.:** RD1-A8-598

In order to promote and strengthen the use of interdisciplinary approaches in comprehensive secondary schools, this project proposes to (1) develop the cirricular approaches necessary to implement two state developed interdisciplinary guides in home furnishings merchandising and clothing/apparel and accessories merchandising; (2) provide quality direction to students in attaining marketable skills in sales and marketing competencies; (3) work toward satisfying the growing manpower needs in the fields of home furnishings, clothing/apparel, and accessories merchandising; and (4) demonstrate how to build a stronger occupational sequence of courses utilizing the strengths of two departments. Procedures will be to (1) establish a business and home economics teacher committee at Community High School District 99; (2) establish an adhoc advisory council to assist in curriculum development; (3) analyze existing curriculum in view of two interdisciplinary guides; (4) review literature, community job market, and community college programs; (5) develop curriculum guides to be utilized within existing traditional courses; and (6) develop a variety of systems of using the curriculum guides in educational settings.

**AR 78 0151**

**Implementation of Systematic Planning for Comprehensive Programs of Guidance, Counseling, Placement and Follow-Through in Illinois**

**Project Director:** Slater, J. Marlowe

**Organization:** Illinois Univ., Urbana

**Address:** Urbana, IL 61801

**Descriptors:** Demonstration Programs, Followup Studies, *Guidance Programs, Job Placement, *Models, *Occupational Guidance, *Program Planning, *Staff Improvement, *Vocational Counseling, Workshops

**Funding Period:** Start Date 29 Mar 78; End Date 31 Aug 78

**Fiscal Year Funding:** $73,110

**Sponsoring Agency:** Illinois State Office of Education, Springfield

**Contract and/or Control No.:** RD1-A8-630

Objectives of this project are to disseminate staff development materials which provide a model for systematically planning comprehensive systems of guidance, counseling, placement and follow-through and help Illinois educational agencies operate comprehensive guidance and counseling programs at maximum efficiency through systematic planning. Procedures will be to (1) reproduce a previously developed and tested planning model for comprehensive systems of career guidance; (2) disseminate the planning model to educational institutions and agencies for career guidance staff development activities; (3) train nineteen facilitators in the use of the planning model; (4) conduct staff development activities at each career guidance center and thirty-eight workshops in local school districts statewide to prepare 800-1200 educational and community personnel in the use of guidance and counseling planning tools; (5) profile, through a case-study approach, a career guidance planning model in order to demonstrate how planning models can be adapted to fit local school system needs in Illinois; and (6) evaluate the effectiveness of a planning model in a variety of school system settings and provide results through a document to be distributed statewide. This project will result in the reproduction of 500 PAGE II Kits which will be used as the basis of a series of workshops for Career Guidance Centers throughout the state. Any kits remaining after completion of the inservice activities will be placed in the Curriculum Publications Clearinghouse for sale on a cost recovery basis.

**AR 78 0152**

**Improvement in Secondary Occupational Education Programs as Reflected through an On-Site Evaluation Process.**

**Project Director:** Tomlinson, Robert M.

**Organization:** Illinois Univ., Urbana

**Address:** 345 Education Building, Urbana, IL 61801

**Descriptors:** Data Analysis, Evaluation Methods, *Inspection, *Program Evaluation, *Program Improvement, Secondary Education, State Programs

**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78

**Fiscal Year Funding:** $9,107

**Sponsoring Agency:** Illinois State Office of Education, Springfield

**Contract and/or Control No.:** RD1-A8-580

This project will (1) determine the extent to which the onsite evaluation process was helpful in program improvement and make recommendations relative to improvement of the process; (2) collect and make preliminary analysis of the preliminary evaluation instruments, One and Five Year Plans, onsite evaluation team reports, and collect data from local education agency personnel and onsite evaluation team members reflective of their perceptions of the helpfulness of the onsite evaluation process in improving the occupational education program; and (3) complete analyses of data collected during Phase I and describe results, conclusions, and recommendations for improving the onsite evaluation process. Procedures will be to (1) select a sample of 15 secondary local education agencies which have had their second onsite evaluation; (2) develop, pilot test, and administer data collection instruments to the selected personnel at the local education agency and the respective evaluation team members; (3) obtain existing onsite evaluation data including preliminary evaluation instruments, One and Five-Year Plans, and the evaluation team reports for the selected local education agencies; and (4) organize preliminary evaluation and instruments data into compatible form and complete preliminary analysis activities; and (5) complete analysis of data collected during Phase I and develop the final documents (complete technical report and executive summaries) and to provide them to DAVTE by 12/31/78.

**AR 78 0153**

**Improvement of Industrial Education Programs in Illinois through Cooperative Activities by the Teacher Education Institutions.**

**Project Director:** Tomlinson, Robert M.

**Organization:** Illinois Univ., Urbana

**Address:** 345 Education Building, Urbana, IL 61801

**Descriptors:** *Career Development, Curriculum Guides, Elementary Secondary Education, *Industrial Education, Information Systems, *Interinstitutional Cooperation, *Program Development, Program Guides, *Teacher Education

**Funding Period:** Start Date 15 Apr 78; End Date 30 Jun 78
**Fiscal Year Funding:** $5,198
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-634

This project is designed to serve as the facilitating mechanism for developmental activities on a cooperative basis by personnel from seven universities; capitalize on the joint resources and interests across the universities in carrying out two concurrent activities: development of a Curriculum and Program Guide for Industrial Education (K-Adult) in Illinois, and establishment of an ongoing information and exchange system for meeting the needs for instructional personnel in industrial oriented programs. Primary objectives of this developmental phase are to establish the preliminary "state of the scene" and resources in each of the two project areas as a basis for organizing and carrying out later phases in each area; and identify institutions, personnel, and working relationships for developing complete proposals for the continuing phases of the two priority needs areas. Procedures will include (1) development of two working teams, one for each priority area, each with representatives from each institution (a series of three joint working meetings and other intervening activities will be held); (2) collection of materials and identification of resources relevant to the purposes of the two ares; and (3) development of two comprehensive proposals for achieving the objectives for each of the two priority areas for submission.

## AR 78 0154

### Land Reclamation and Mining Occupations–Heavy Equipment Maintenance and Operation Phase II.

**Project Director:** Smith, Dean O.
**Organization:** Pinckneyville Community High School District 101, Ill.
**Address:** Pinckneyville, IL 62274
**Descriptors:** *Cooperative Programs, Curriculum Development, Curriculum Guides, *Equipment Maintenance, *Experiential Learning, Grade 10, Grade 11, Job Skills, *Land Use, *Mechanics (Process), School Industry Relationship, Senior High Schools, Work Attitudes
**Identifiers:** Heavy Equipment Mechanics, *Heavy Equipment Operators, Land Reclamation, Miners
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $40,685
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-B8-549

The project will enable plans developed under RDC-A7-257 to be implemented. An orientation course in Land Reclamation-Mining Occupations will be taught to students in the Pinckneyville Community High School and contracts will continue to be developed expanding industry-government-education cooperation. Objectives include: (1) preparing students with better, more realistic entry-level job skills, knowledges, and attitudes; (2) developing appropriate followup courses to be included in the program; (3) acquiring tools and equipment for instructional purposes; (4) increasing knowledge of land reclamation techniques; and (5) consulting and preplanning with IOE-DAVTE regarding an eventual demonstration center concept for the program. The orientation course will be taught to sophomores and juniors who have expressed an interest in the program. Curriculum guides developed during the planning phase will be utilized and supplemented by persons with expertise in the several areas to be covered. An evaluation will be made to determine overall outcomes of the project through its second year. DAVTE will be consulted frequently to keep it abreast of the progress and to receive suggestions from it as a major participant. The director of the project will continue with contacts previously established in order to stay abreast of industry manpower needs, skill demands of future employees, and legislation pertaining to the occupations and to reclamation in order to develop the most realistic program possible.

## AR 78 0155

### Manual of Competency-Matched Instructional Resources for Developing Coal Mining Curriculums.

**Project Director:** Katz, Douglas S.
**Organization:** CONSERVA, Inc., Raleigh, N. C.
**Address:** Raleigh, NC
**Descriptors:** *Curriculum Development, Educational Resources, Instructional Aids, *Instructional Media, Job Skills, *Manuals, Multimedia Instruction, *Performance Based Education, Secondary Education, Skill Analysis
**Identifiers:** *Coal Mining
**Funding Period:** Start Date 15 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $34,999
**Sponsoring Agency:** Illinois Office of Education, Springfield
**Contract and/or Control No.:** RD1-B8-551

The purpose of the project is to (1) develop a catalog of validated underground coal mining occupational competencies; (2) identify and categorize existing multi-media coal mining instructional materials; and (3) match available multi-media instructional materials with validated coal mining occupational competencies. Procedures will be to (1) constitute a Project Technical Advisory Committee; (2) identify and list exemplary occupational competencies; (3) validate the competencies listed above through a process of rating, prioritizing, and review; (4) inventory commercially available training aids relevant to underground coal mining; (5) develop catalog of prioritized occupational competencies and match with available instructional/training aids for development of each competency listed; and (6) prepare a final report including an inventory of available instructional/training resources, a catalog of occupational competencies matched with instructional/training resources, and the procedure for use of the catalog in the development of secondary level competency-base coal mining curriculums.

## AR 78 0156

### Measuring Career Readiness in Elementary/Secondary Education.

**Project Director:** Gray, H. Dean
**Organization:** Southern Illinois Univ., Edwardsville
**Address:** Edwardsville, IL 62025
**Descriptors:** *Career Education, Classroom Research, *Elementary Education, *Learning Activities, *Learning Readiness, *Student Evaluation, Teaching Guides, Testing, Tests
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $24,000
**Note:** This project also received $10,227 in local funds for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-D8-508

Constructing learning activities for the Career Education Readiness Test is the main goal of this project. The CERT learning activities will (1) coordinate with the areas identified by the Career Education Readiness Test (CERT); (2) significantly raise students' CERT results on the basis of administering a pre-post testing program in two Illinois schools; and (3) provide a guide of learning activities which can be utilized as a model. The secondary goal is the continued refinement of the CERT by analyzing the pre-post data. Two Illinois schools will be identified to take part in the project. Two classrooms from each grade level, K-6, will be designated in each of the two schools. One classroom from each grade level will be assigned as the experimental group and the other as the control group. Teachers will be involved in the construction of CERT learning activities and a CERT workshop for teachers taking part in the project will be conducted. A CERT pretest will be administered and CERT learning activities will be presented to the experimental group. A CERT posttest will be administered and results analyzed. Five of the learning activities that teachers used to accompany CERT will be delivered.

## AR 78 0157

### Methods and Materials for Entrepreneurship Education–Phase I.

**Project Director:** Evans, Rupert N.
**Organization:** Illinois Univ., Urbana. Board of Trustees
**Address:** 349 Administration Building, Urbana, IL 61801
**Descriptors:** Business Administration, *Curriculum Research, Individual Characteristics, Management Development, *Management Education, *Managerial Occupations, *Material Development, *Personality Assessment, Secondary Education
**Identifiers:** *Entrepreneurship Education
**Funding Period:** Start Date 1 Mar 78; End Date 31 Aug 78
**Fiscal Year Funding:** $18,000
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-627

The overall objective of Phase I of this project is to provide a resarch base on which to develop curriculum materials for teaching entrepreneurship in order to help students utilize technical skills in their own businesses and in other entrepreneurial situations. Procedures of this project will be to (1) review literature on entrepreneurship; (2) analyze teaching techniques for entrepreneurship; (3) review current methods of entrepreneurship training that could be adapted to entrepreneurship education at the high school level; (4) select experts, advisory committee and university personnel to help and advise on sample selection, and on the collection, organization and analysis of data; (5) develop an interview procedure which will help to classify entrepreneurs into "craft" and "opportunistic" types; (6) select a sample of entrepreneurs for the purpose of gaining insights into entrepreneurial characteristics; (7) interview and administer selected instruments to sample of entrepreneurs for the purpose of analyzing entrepreneurial characteristics from the perspective of occupational choice; (8) collect, organize and analyze data to identify the personality patterns of entrepreneurs; and (9) identify topics to be included in curriculum materials for teaching entrepreneurship.

## AR 78 0158

### Parenting and Parenthood Education Planning Grant.

**Project Director:** Barr, Jason
**Organization:** Southern Illinois Univ., Carbondale. School of Medicine
**Address:** P.O. Box 3926, Springfield, IL 62708

**Descriptors:** Bibliographies, Child Abuse, *Curriculum Planning, *Educational Planning, *Educational Resources, Needs Assessment, Neglected Children, *Parenthood Education, Program Planning
**Funding Period:** Start Date 15 Mar 78; End Date 31 Aug 78
**Fiscal Year Funding:** $44,382
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-617

A comprehensive plan for parenting and parenthood education will be developed for the Department of Adult, Vocational, and Technical Education by conducting a needs assessment; identifying parenting educational programs, models, and groups; disseminating information and available resources; and conducting seminars and staff workshops. Project staff also will explore the development of a parenting and parenthood education program in the Illinois Office of Education to fit national and Illinois issues, resources, and trends; address and serve the needs of special children and their parents; and address prevention and intervention of child abuse and neglect. A bibliography and lists of resources and curriculum on parenting and parenthood education will be developed.

### AR 78 0159

**Planning and Dissemination Project for Vocational Education.**
**Project Director:** Hayes, Bill
**Organization:** Johnsburg High School, McHenry, Ill.
**Address:** 2117 West Church Street, McHenry, IL 60050
**Descriptors:** *Administrator Guides, Conferences, *Demonstration Programs, *Educational Planning, Information Dissemination, Manuals, *Program Planning, Secondary Education
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $35,694
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-581

Project objectives are to (1) develop a planning manual for secondary schools for a model vocational program; (2) develop and implement a statewide conference for placement personnel; and (3) disseminate vocational education research and development findings of results. Procedures will include: (1) reviewing materials developed by DAVTE; (2) using services available from the State Office and Advisory Council; (3) developing a planning manual for planning a model vocational program; (4) developing and implementing a statewide conference for placement personnel; (5) working with Missouri to make this a two-state conference; (6) reviewing the completed projects and selecting the ones to be used in workshops; and (7) analyzing and synthesizing results of completed projects and use findings as texts for conducting workshops. A planning manual for planning a model vocational program will be delivered.

### AR 78 0160

**Project MAVE (Model for Articulated Vocational Education).**
**Project Director:** Artis, Marilyn
**Organization:** Thornton Area Public School Association, South Holland, Ill.
**Address:** South Holland, IL
**Descriptors:** *Articulation (Program), *Demonstration Programs, Information Dissemination, Models, *Program Development, *Program Evaluation
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $50,000
**Note:** This project also received $4,100 in local funds for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-548

Project MAVE Articulation Models will be field tested and evaluated in various educational settings. After the models have been refined, 300 copies of the models and their components will be produced. Implementation procedures to be utilized in the project are: (1) continue investigation; (2) obtain and set up field test sites; (3) develop A-V presentation; (4) field test; (5) evaluate models' effectiveness; (6) refine the models; and (7) disseminate project information.

### AR 78 0161

**Project MAVE (Model for Articulated Vocational Education).**
**Project Director:** Artis, Marilyn J.
**Organization:** Thornton Area Public School Association, South Holland, Ill.
**Address:** 320 East 161st Place, South Holland, IL 60473
**Descriptors:** *Articulation (Program), Community Resources, *Manuals, *Models, *Program Evaluation, School Community Cooperation, *Sequential Programs, Student Interests, Student Placement
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $14,511
**Note:** This project also received $1,500 in local funds for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-B8-509

The Project MAVE handbook and articulation model will be revised and refined so that it can be adapted by any school system in Illinois to provide the organization and mechanism for developing a planned vocational sequential program, coordinating students' interests and abilities with counseling procedures and student placement, developing institutional relationships, strengthening the educational system in general, and using community resources. The model will be revised based on two evaluation conferences, and a field test process will be developed.

### AR 78 0162

**Standards for Illinois ABAO Postsecondary Programs and Secondary Programs in Cook County.**
**Project Director:** Walker, Robert W.; Hillen, Lowell F.
**Organization:** Illinois Univ., Urbana
**Address:** Urbana, IL 61801
**Descriptors:** *Agricultural Education, *Community Colleges, Postsecondary Education, Program Evaluation, *Secondary Education, *Standards
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $15,000
**Sponsoring Agency:** Illinois State Office Education, Springfield
**Contract and/or Control No.:** RD1-A8-564

The purpose of the project is to (1) review and analyze current standards for ABAO programs suggested by Illinois DAVTE; (2) determine and analyze agriculture program standards from selected Illinois community colleges and the Chicago secondary metropolitan porgrams; (3) review the national agriculture program standards developed under the direction of the USOE which were tested and validated by Iowa State University in 1976-77; (4) prepare agriculture program standards for Illinois postsecondary programs and Illinois secondary metropolitan porgrams; (5) categorize agriculture program standards following the format developed by Iowa State University for taxonomy areas; (6) have teachers evaluate the proposed agriculture program standards for community college and metropolitan programs; (7) review tentative agriculture programs standards and teachers responses to standards with the aid of consultants to further refine the agriculture program standards; and (8) secure adoption of the tentative Illinois agriculture program standards for Illinois community college agriculture programs (ICCAP) and metropolitan agriculture programs (MAP). Procedures will include: (1) meeting with Illinois ABAO consultants, Division of Adult, Vocational and Technical Education, to collect current information on suggested standards for secondary and postsecondary programs; (2) surveying the division chairperson of the 37 Illinois community colleges to collect information on program standards in use; (3) contacting selected metropolitan agricultural teachers through the Chicago Board of Education horticultural coordinator to determine program standards that are currently in use; (4) reviewing the program standards developed under the direction of USOE which were tested and validated by Iowa State University in 1976-77; and (5) developing agricultural program standards by taxonomy areas plus Administration and Supervision, and Adult Education guided by the format developed by Iowa State University. Five hundred copies of "Standards of Quality, Part II" will be delivered.

### AR 78 0163

**Standards for Illinois ABAO Secondary (Not Including Cook County) Programs.**
**Project Director:** Stitt, Thomas; And Others
**Organization:** Southern Illinois Univ., Carbondale
**Address:** Carbondale, IL 62901
**Descriptors:** Evaluation Criteria, Models, Program Evaluation, *Secondary Education, *Standards
**Funding Period:** Start Date 17 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $33,302
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD1-A8-558

The project seeks to establish a list of operational quality standards for Illinois ABAO programs. Procedures will include: (1) steering committee selection; (2) development of a format for presenting the standards of quality to teachers; (3) securing IAVTA and DAVTE approval of quality forms; (5) hold a steering committee organization meeting; (6) secure approval of quality data forms from the steering committee; (7) duplicate and distribute copies of the standard of quality data forms with instructions for completion; (8) initiate a followup meeting to assure 100 percent participation; (9) tabulate by use of keypunch system and computer the results; (10) send the completed results of the standard of quality data forms to a panel of five top teachers; (11) teacher tested package presented to the steering committee for their approval; and (12) formulate the Illinois standard of quality data form into a final package for final approval and initial distribution at the ABAO summer conference in 1978. Five hundred copies of "Standards of Quality, Part I" will be delivered.

## Exemplary and Innovative (Sec. 132)

**AR 78 0164**

**Articulation Model K-14 Health Occupations Education.**
**Project Director:** Katz, Elaine Falk
**Organization:** Success Research Consultants, Inc., Dundee, Ill.
**Address:** Dundee, IL 60118
**Descriptors:** *Articulation (Program), Curriculum Planning, *Elementary Secondary Education, *Health Occupations Education, Models, *Postsecondary Education
**Funding Period:** Start Date 15 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $30,000
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-B8-556

The project will (1) study and evaluate the Articulation Planning Model (APM) presented in the Final Report, "Articulation Model for the K-14 Health Occupations, 1977"; (2) identify at least 24 key "cells" in the APM; (3) investigate the essential components of each key APM cell, consideration will be given to S-POP (S-POP = Structure Process/Outcome/Products) as an analysis approach; and (4) develop a Comprehensive Articulation Model using the APM and S-POP data. Procedures will include: (1) setup and planning; (2) analysis of model; (3) identification and key intersections; (4) investigation of key intersections; (5) model synthesis; and (6) documentation of model (prior to field test).

**AR 78 0165**

**CETA–How to Get Involved.**
**Project Director:** Wertz, Dean
**Address:** 2712 Mariner Court, Lynwood, IL 60411
**Descriptors:** *Administrator Guides, *Educational Legislation, *Educationally Disadvantaged, *Educational Opportunities, *Material Development
**Identifiers:** *Comprehensive Employment and Training Act
**Funding Period:** Start Date 15 Mar 78; End Date 31 Jul 78
**Fiscal Year Funding:** $13,213
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-A8-626

Objectives of this project are to develop a handbook that would provide both school administrators and C.E.T.A. prime sponsors with a practical step-by-step guide on how to meet the needs of both C.E.T.A. clients and local education agencies and obtain information from the Government Office of Manpower, C.E.T.A. prime sponsors, local educational agency vocational administrators, and other C.E.T.A. program operators throughout Illinois that might be pertinent to the project. This contract represents only Phase I. The second phase will continue the refinement and development of the handbook as well as the production and dissemination of approximately fifteen hundred copies. Procedures will be to interview local government participants, state C.E.T.A. officials, LEA vocational administrators, and personnel from other prime sponsors to obtain the necessary information for the "How to Get Involved" handbook; design a format that allows the uninformed reader to easily understand C.E.T.A. and its multifaceted opportunities; write the initial version (rough draft) of each chapter; assemble sample materials that comprise the appendix; submit for approval a copy of the rough draft version to AVTE; and proceed to Phase 2 which would include authorization from AVTE to produce the handbook.

**AR 78 0166**

**Computerized Career Information Program.**
**Project Director:** Teal, Jack; Musgrove, Paul
**Organization:** Illinois Central Coll. and Tri-County Industry-Education-Labor Council, East Peoria
**Address:** P.O. Box 2400, East Peoria, IL 61635
**Descriptors:** *Career Choice, Career Planning, *Computer Oriented Programs, *Educational Opportunities, Interagency Cooperation, *Occupational Information, *Program Development, *Student Financial Aid
**Funding Period:** Start Date 1 Jan 78; End Date 30 Sep 78
**Fiscal Year Funding:** $26,126
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-A8-570

The major objectives in this proposal request are related to obtaining a comprehensive and current career information system that would provide the information necessary in the career decisionmaking process. This includes: (1) identification of general career interest patterns; (2) general career information for 450 occupations; (3) local career information for 1,400 basic job titles; and (4) college information for 1,600 colleges and information on sources of financial assistance. Procedures for obtaining the computerized career information will require the individual to work with an existing public or private organization involved in providing career decision-making assistance. Multiple choice questionaires will be processed, and computer printouts of the requested information will be returned within a one-week time period to the organization working with the individual.

**AR 78 0167**

**Consortium of Vocational Educators and Employers, 1977-1978.**
**Project Director:** Davis, Rose Anne; Finn, Harold E.
**Organization:** Education Services Region, Edwardsville, Ill.
**Address:** Edwardsville, IL
**Descriptors:** Articulation (Program), Career Education, *Consortia, Cooperative Planning, *Cooperative Programs, *Employers, Inservice Education, *Manpower Needs, School Community Relationship, *School Industry Relationship, *Vocational Education Teachers
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $20,000
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-A8-543

The project will design a functional system for determining area manpower needs and foster and promote inservice training and education for school faculty, staff, and administrators. It will establish and maintian an articulation procedure between and among education and training institutions. The employment community can serve as liaison between local interests and the staff of the Department of Adult, Vocational, and Technical Education in the Illinois Office of Education in matters related to Consortium objectives. The public will be informed of vocational and technical education activities in Southwestern Illinois and senior educational institutions will be influenced to establish preservice/inservice programs in career education. Active participation of business, industry, labor, and other appropriate organizations in area vocational program planning will be encouraged and expanded. Procedures will include: (1) soliciting memberships from educators and employers and producing membership roster and a directory of training resources; (2) conducting quarterly membership meetings and monthly board of directors meetings and preparing an economic profile of the region; (3) developing a community resources directory and attending the National Association for Industry-Education Cooperation annual convention; (4) participating in the Southwestern Illinois Industrial Exhibition and developing inservice plans for seminars for vocational teachers; and (5) identifying and prioritizing specific problems which hinder work program development. Products to be delivered include: (1) a membership roster and a directory of training resources; (2) an economic profile of the region; (3) a community resources directory; and (4) inservice plans for seminars for vocational teachers.

**AR 78 0168**

**Demonstration Center for Child Care Training.**
**Project Director:** Swift, Joan W.
**Organization:** City Colleges of Chicago, Ill.
**Address:** Chicago, IL
**Descriptors:** Catalogs, *Child Care Occupations, *Homemaking Education, Information Dissemination, Postsecondary Education, Secondary Education, *Social Services
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $29,754
**Note:** This project also received $33,589 in local funds for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-A8-544

The intent of the project is to provide vocational educators at the secondary and postsecondary level with information, curriculum materials, teaching methods and techniques, and resources in the fields of child care, social service, and homemaker training for the purpose of improving the quality of career education in these fields. These objectives will be met through the maintenance of a Demonstration Resource Center in a central location in Chicago available on an individual and/or group basis to vocational educators in human service related fields, through monthly seminars, and a two-day workshop to be held in the Spring. A monthly flyer will be developed to keep interested faculty and administrators aware of the Center's activities. A descriptive inventory/-catalog of child care instructional materials will be delivered.

**AR 78 0169**

**Development and Field Testing of Curriculum Modules for Teaching Occupational Survival Skills–Phase Four.**
**Project Director:** Nelson, Robert E.
**Organization:** Illinois Univ., Champaign-Urbana
**Address:** Champaign-Urbana, IL 61801
**Descriptors:** Curriculum Development, Curriculum Evaluation, *Learning Modules, *Prevocational Education, Secondary Education, Student Attitudes, Student Motivation, *Vocational Maturity, *Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $32,342
**Sponsoring Agency:** Illinois Office of Education, Springfield
**Contract and/or Control No.:** RD2-A8-501

The purpose of the project is to identify and/or develop measurement scales to determine the effectiveness of the Occupational Survival Skills Modules (OSS) in helping students develop attitudes, motivations, and perceptions that will aid them in obtaining and maintaining a meaningful, satisfying, and productive working career and presenting a final revision of the OSS modularized

instructional units to the Illinois DAVTE. The 12 curriculum modules will be field tested and evaluated in selected high schools in Illinois. Instruments will be developed to obtain formal data from the field test teachers and students. Informal data will be collected by means of observation, interviews, and discussions with field test teachers and students. The 12 curriculum modules will be revised based upon the formal and information data collected. Instruments will be identified and/or developed to measure the effectiveness of the OSS modules with regard to affective learning.

**AR 78 0170**

**Diffusion Center of Information of Educational Service for Handicapped and Disadvantaged Students.**

**Project Director:** Donoho, G. Douglas
**Organization:** Mount Prospect Township High School District 214, Ill.
**Address:** Mount Prospect, IL 60056
**Descriptors:** Catalogs, *Disadvantaged Youth, *Handicapped Students, *Information Dissemination, Inservice Programs, Models, Needs Assessment, *Program Descriptions, Program Evaluation, *Resource Centers
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $36,874
**Note:** This project also received $19,389 under Sec. 120 for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-C8-516

The project will insure that a complete and accurate description of all programs and services designed to meet the special needs of handicapped and disadvantaged students in District 214 is disseminated to key personnel within and outside of District 214. The project staff will coordinate inservice activities leading to more effective operation and special programs and services for handicapped and disadvantaged students in District 214. The staff will also develop plans and conduct evaluation to determine the impact of selected special programs on handicapped and disadvantaged students. Procedures will be to (1) prepare an acceptable plan for evaluation of selected special programs; (2) plan several inservice sessions to plan for a needs assessment program; (3) assess the means of communication among district staff; and (4) distribute a staff newsletter describing activities related to Diffusion Center Project. A diffusion center catalogue of Exemplary Programs and evaluation and process materials will be delivered.

**AR 78 0171**

**Dissemination and Service Programs for the Education of Disadvantaged and Handicapped Students.**

**Project Director:** Tetzlaff, Mary K.
**Organization:** Triton Coll., River Grove, Ill.
**Address:** 2000 5th Avenue, River Grove, IL 60171
**Descriptors:** Ancillary Services, *Community Colleges, Diffusion, *Disadvantaged Youth, *Handicapped Students, *Information Dissemination, *Information Networks, Postsecondary Education, Program Development
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $35,317
**Note:** This project also received $33,046 under Sec. 120 for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-C8-515

The overall objective of the project is to establish and utilize a communications network of community colleges for the purpose of sharing and disseminating information to improve the educational experience of disadvantaged and handicapped students. This is a diffusion process which may include demonstration, inservice, and program development. Additionally, Triton College will continue to provide a service program for disadvantaged and handicapped students that will assist with dissemination efforts and will include the components of tutoring, counseling, vocational assessment, and assistance for instructors. To accomplish the above, Triton College will gain support through the Council of Presidents to organize a fall conference on the topic of disadvantaged and handicapped students at Illinois community colleges. Representatives from each community college district will be requested to attend this conference followed by additional conferences or workshops throughout the year. A steering committee will be developed to plan these activities and the project staff will provide for the facilities, information, and general organization. Triton College will also participate in other dissemination activities as developed by DAVTE, other project sites, and through direct consulting assistance to community colleges. Materials available through the project will be an S.O.S. manual for faculty, evaluation process materials, and tips for tutoring.

**AR 78 0172**

**Dissemination Workshop Project for Pre-Employment Skills and Follow-Up on Placement Workshops.**

**Project Director:** Pollock, Steve
**Organization:** Edwards County Community Unit School District 1, Albion, Ill.
**Address:** Albion, IL
**Descriptors:** Employment Counselors, *Inservice Programs, Interagency Cooperation, Program Coordination, Vocational Counseling, *Workshops
**Identifiers:** *Comprehensive Employment and Training Act
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $44,675
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-A8-550

A series of one-half day workshops will be conducted throughout the state to disseminate the Pre-Employment Skills Curriculum Guide developed last year. A series of eight and one-half day workshops throughout the state will be given to provide information on placement options and inservice training for people working in placement offices. The Pre-Employment Skills Manual, Student Handbook, and CAPS manual will be produced. Persons attending the workshops will be given a copy of each manual. The placement newsletter that was started with the CAPS project will be continued and a working agreement with the Governor's Office of Manpower to train CETA staff statewide in the use of the Pre-Employment Skills and CAPS manuals will be developed. Services requested by school personnel as listed on the CAPS Evaluation Survey will be provided. Procedures will be to (1) meet with DAVTE staff assigned to the project and the project staff to select date, time, and place for each of the workshops; (2) contact with Edwards County High School Printing Department to print the manuals for the workshops and other materials for this project; (3) develop a format and mailing list for the newsletter for this project year; (4) conduct an evaluation survey in May to measure the effect of the workshop program; (5) have a staff meeting the day before each workshop to prepare for the meetings; (6) work with the balance of state CETA programs to provide printed materials and help to train these workers; and (7) develop a joint working relationship with CETA and DAVTE to provide services statewide.

**AR 78 0173**

**Handicapped and Disadvantaged Implementation and Diffusion Network.**

**Project Director:** Rakers, Richard J.
**Organization:** Springfield School District 186, Ill.
**Address:** Springfield, IL
**Descriptors:** Ancillary Services, *Delivery Systems, *Demonstration Programs, *Diffusion, *Disadvantaged Youth, *Handicapped Students, *Information Dissemination, Information Networks, Organizational Communication, Publicize
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $31,327
**Note:** This project also received $17,452 under Sec. 120 for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-C8-513

This project aims to create an awareness of and to begin the demonstrative and diffusion of programs and services for handicapped and disadvantaged learners in the area of Vocational Education. By June 30, 1978, every LEA within West Central Region 3A will recognize and participate in the demonstrative/diffusion project and the project director will assist targeted LEA's in the planning and implementing of those activities which are of specific concern through a variety of delivery systems. The project will upgrade, continue, and expand those programs and services in the local LEA. By June 30, 1978, each high school attendance center will have devised a comprehensive model plan of activities and services for disadvantaged and handicapped and each will have developed a permanent, continuous comprehensive program of services and activities for handicapped and disadvantaged that will be an ongoing component of each center educational program objective. Procedures will be to (1) contract three workshops in West Central Region 3A; (2) conduct four days of onsite sessions for interested Region 3A LEA's; (3) provide consultant services to any interested LEA in Illinois; (4) participate in conventions where handicapped and disadvantaged programs and services are related; (5) participate in six project directors' meetings; and (6) work extensively with two other sites for inservice. Product(s) to be delivered will be SCOPE - a sequential programming guide, and numerous process manuals and programming guides.

**AR 78 0174**

**Handicapped and Disadvantaged Network Coordination, Dissemination, and Diffusion Project.**

**Project Director:** Batsche, Catherine
**Organization:** Illinois State Univ., Normal
**Address:** Normal, IL 61761
**Descriptors:** Catalogs, Demonstration Programs, *Disadvantaged Youth, *Handicapped Students, Information Centers, *Information Dissemination, Information Networks, Program Coordination, *Program Descriptions, *Publicize, Public Relations

**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $86,269
**Note:** This project also received $3,900 in local funds for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-A8-500

In terms of collecting, coordinating, producing, and disseminating state level information concerning the demonstration phase, this project will serve as the focal point for the "Handicapped and Disadvantaged Implementation and Diffusion Network." Activities will include: (1) review, selection, editing, and reproduction of outstanding materials from each of the nine sites; (2) development of a catalogue describing the programs and services of each site; (3) development of a plan and necessary supporting materials for all statewide public relations efforts related to the project; (4) organization and management of a state-level conference on Handicapped and Disadvantaged; (5) making arrangements for project staff to appear on program agendas at national conference programs; and (6) inclusion of articles in state and national level journal and newsletters. The project will be implemented and carried out through a special contractual arrangement with Illinois State University at Normal, Illinois. The project budget will include provisions for a full-time project director and the necessary supportive and graphic design services to accomplish the tasks assigned. Due to the uniqueness of this project, the product(s) to be delivered will not be solely directed to AVTE, but instead to and for the nine Handicapped and Disadvantaged sites. Reproduction of outstanding materials may be dispersed from this project to the nine sites and other LEA's as requested. The materials and/or products will vary according to the objective of the nine Handicapped and Disadvantaged sites.

### AR 78 0175

**Handicapped and Disadvantaged Project.**
**Project Director:** Strutrud, Carolyn
**Organization:** Sauk Area Career Center, Worth, Ill.
**Address:** Worth, IL
**Descriptors:** Curriculum Development, *Demonstration Programs, *Disadvantaged Youth, Educational Resources, *Handicapped Students, Information Dissemination, *Instructional Materials Centers, *Job Training, Program Development, Resource Centers
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $32,342
**Note:** This project also received $36,574 under Sec. 120 for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-C8-502

Vocational Education program activities developed during Phase I and II for handicapped and disadvantaged students will be continued in this project. A Learning Resource Center will be expanded to include additional materials for special needs students. Activities for the handicapped and disadvantaged will be expanded and coordinated with vocational programs to increase employment opportunities for handicapped and disadvantaged students at Sauk Area Career Center (SACC). Demonstration activities will be conducted throughout the state. Activities developed during the earlier phases will be continued and/or modified to improve quality of services in each of the eight areas of concern. Project staff will work cooperatively with media staff and guidance/-placement staff of implement plans made for the Learning Resource Center. Project staff will coordinate activities with the SACC Director and advisory committees to identify and improve entry-level job skill training. Activities will be conducted at three levels of dissemination: awareness, trial, and adaptation. Products to be delivered include: competency based instruction manual, pre-employment curriculum, carpentry manual for special needs students, videotapes and manuals for use in classes where sign language is used, and inservice activity brochures.

### AR 78 0176

**Identification of Innovative Approaches to Vocational Education in Urban Centers.**
**Project Director:** Deloch, Jessie B.
**Address:** 826 South Ada Street, Chicago, IL 60607
**Descriptors:** Ancillary Services, Career Development, *Cooperative Education, *Disadvantaged Youth, *Educational Innovation, Job Placement, *Mobile Educational Services, *Program Planning, School Community Cooperation, *Urban Education, Young Adults
**Funding Period:** Start Date 1 Mar 78; End Date 31 Aug 78
**Fiscal Year Funding:** $23,977
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-A8-623

Project objectives are (1) develop and test innovative job and curriculum development procedures as a prerequisite for the future implementation of a transportable urban training model for the disadvantaged; (2) obtain employer commitment to trainee placement and supports as part of a program development process for at least ten to fifteen urban trainees; and (3) document all pertinent aspects of program planning and development. Procedures will be to conduct core staffing orientation and primary data search; develop brochure onsite presentation; analyze community for potential trainee placement sites according to product or service; establish priority list of potential sites, expand data base on these selected organizations, and make initial contacts; schedule and complete onsite visits; work closely with employers to obtain commitment and tailor curriculum and training delivery; refine final package and incorporate into comprehensive AVTE report.

### AR 78 0177

**Illinois Experience-Based Career Education.**
**Organization:** Decatur Public Schools District 61, Ill.
**Address:** 101 West Cerro Gordo Street, Decatur, IL 62523
**Descriptors:** *Career Education, *Career Exploration, Career Opportunities, Career Planning, *Cooperative Education, *Experiential Learning, *Guidance, *Individualized Curriculum, Program Development, School Community Cooperation, *Sex Fairness
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $20,000
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-B8-553

This project will (1) provide for an individualized curriculum with coordinated community involvement through the adapting of the Northwest Regional Educational Laboratory (NWREL) Experience-Based Career Education (EBCE) materials and experiences; (2) provide experiential community learning through individual projects that result in academic credit toward graduation; (3) enable students to obtain career and job opportunities information, assistance in determining future employment demands, and specific learning counseling through individualized projects in community settings; (4) provide students an opportunity to apply academic knowledge and skills in a community setting; (5) provide students the opportunity to explore a broader spectrum of career than presently available through the use of the community's resources; and (6)broaden the scope of career options presently available by elimination of sex role stereotyping. Procedures will be to (1) review staff roles; (2) review and/or revise areas receiving academic credit; (3) revise student program projects; (4) review and/or revise Community Employer sites; (5) initiate student recruitment increasing enrollment to 120-150; (6) complete student selection and student orientation; (7) plan demonstration activities; (8) recruit community resource organizations; (9) develop promotional materials for EBCE; and (10) evaluate EBCE using internal and external sources including third party evaluation design.

### AR 78 0178

**Illinois Experience-Based Career Education.**
**Organization:** Joliet Township High School District 204, Ill.
**Address:** 201 East Jefferson Street, Joliet, IL 60432
**Descriptors:** *Career Education, Career Opportunities, Career Planning, *Cooperative Education, *Experiential Learning, *Individualized Curriculum, Program Development, *School Community Cooperation
**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $20,000
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-B8-554

The project will (1) provide for an individualized curriculum with coordinated community involvement through the adapting of the Far West Laboratory (FWL) Experience-Based Career Education (EBCE) materials and experiences; (2) provide experiential community learning through individual projects that result in academic credit toward graduation; (3) enable students to obtain career and job opportunities information, assistance in determining future employment demands, and specific learning counseling through individualized projects in community settings; (4) provide students the opportunity to apply academic knowledge and skills in a community setting; (5) provide students the opportunity to explore a broader spectrum of careers than presently available through the use of community's resources; and (6) broaden the scope of career options presently available by elimination of sex role stereotyping. Procedures will be to (1) review staff roles and areas receiving academic credit; (2) revise student program projects; (3) review and/or revise Community Employer sites; (4) initiate student recruitment increasing enrollment to 120-150; (5) complete student selection; (6) plan demonstration activities; (7) recruit community resource organizations; (8) develop promotional materials for EBCE; and (9) evaluate EBCE using internal and external sources including third party evaluation design.

### AR 78 0179

**Illinois Experience-Based Career Education.**
**Organization:** Sycamore Community Unit District 427, Ill.
**Address:** 315 West Elm Street, Sycamore, IL 60178
**Descriptors:** *Career Education, Career Opportunities, Career Planning, *Cooperative Education, *Experiential Learning, *Individualized Curriculum, Program Development, School Community Cooperation

**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $20,000
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-B8-555

The project will (1) provide for an individualized curriculum with coordinated community involvement through the adapting of the Far West Laboratory (FWL) Experience-Based Career Education (EBCE) materials and experiences; (2) provide experiential community learning individual projects that result in academic credit toward graduation; (3) enable students to obtain career and job opportunities information, assistance in determining future employment demands, and specific learning counseling through individualized projects in community settings; (4) provide students an opportunity to apply academic knowledge and skills in a community setting; (5) provide students the opportunity to explore a broader spectrum of careers than presently available through the use of the community's resources; and (6) broaden the scope of career options presently available by elimination of sex role stereotyping. Procedures will be to (1) review staff roles; (2) review and/or revise areas receiving academic credit; (3) revise student program projects; (4) review and/or revise Community Employer sites; (5) initiate student recruitment increasing enrollment to 120-150; (6) complete student selection and student orientation; (7) plan demonstration activities; (8) recruit community resource organizations; (9) develop promotional materials for EBCE; and (10) evaluate EBCE using internal and external sources including third party evaluation design.

**AR 78 0180**

**Implementation and Demonstration of an Innovative Child Care Program.**
**Project Director:** Severns, Charles
**Organization:** Springfield Public Schools, Ill.
**Address:** Springfield, IL
**Descriptors:** *Career Exploration, *Child Care Occupations, Grade 9, *Inservice Teacher Education, *Program Development, Program Effectiveness, Program Evaluation, *Program Planning, Secondary Education, Student Needs
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $5,500
**Sponsoring Agency:** Illinois Office of Education, Springfield
**Contract and/or Control No.:** RD2-A8-542

The purpose of the project is to (1) identify a target population to be served by the child care program, i.e., 100-120 students at the ninth grade level; (2) conduct inservice and program planning activities for the instructional staff; (3) pilot the program and assess its effectiveness in terms of meeting student needs; (4) provide for parent, student, and community involvement and input in the implementation and assessment of the program; and (5) demonstrate the program to other instructional and administrative personnel within District 186 and the state. Procedures will be to (1) select a target population of the ninth grade students to be served by the program; (2) provide inservice training for instructional personnel involved in teaching the child care program; (3) initiate the program in the 1977-78 school year at Jefferson Middle School; (4) involve parents, students, and community persons in the implementation and assessment of the program; and (5) demonstrate the program to other teachers and administrators within the district and state LEAs.

**AR 78 0181**

**Implementation and Diffusion Network for Handicapped and Disadvantaged Students.**
**Project Director:** Fransen, N. Gunnar
**Organization:** Rockford Area Vocational Center, Ill.
**Address:** Rockford, IL 61101
**Descriptors:** Community Resources, Demonstration Programs, *Disadvantaged Youth, Educational Diagnosis, Educational Resources, *Handicapped Students, Inservice Programs, *Mainstreaming, Special Services, *Staff Orientation
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $23,628
**Note:** This project also received $43,393 under Sec. 120 for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-C8-517

A system for identifying handicapped and disadvantaged students will be implemented and a list of school and community resources and services for disadvantaged and handicapped students compiled. Disadvantaged students frequently absent will be better served and staff inservice training will be provided. DAVTE criteria will be used in identifying handicapped and disadvantaged students and an atmosphere that is conducive for learning among the staff using various methods will be provided. This program for handicapped and disadvantaged students in vocational education will be used to help mainstream students into the regular programs. Demonstration activities will be conducted to increase awareness of the project in the state in an effort to improve services to handicapped and disadvantaged students in vocational education.

**AR 78 0182**

**Improving Services to Disadvantaged and Handicapped Students in Occupational Education: A Model.**
**Project Director:** Winslow, Felix
**Organization:** Tilden High School, Chicago, Ill.
**Address:** Chicago, IL 60609
**Descriptors:** Administrator Guides, Curriculum Guides, Delivery Systems, *Disadvantaged Youth, *Handicapped Students, Information Dissemination, *Instructional Materials Centers, *Program Development, *Special Services
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $89,250
**Note:** This project also received $14,581 under local funds for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-C8-519

The project will continue implementation and program development at the pilot site, Tilden High School, under the direction of an assistant principal functioning as program manager. All Phase II project components will be continued and utilized for demonstration as well as for student services. Eight additional sites in District 299 will be identified and developed to serve disadvantaged and handicapped populations. An assistant principal will be identified and act as program manager at each site. The project coordinator will coordinate activities at each of the nine sites and develop materials and procedures for dissemination to other local educational agencies. The project materials center will be utilized by all nine sites. Additional items will be purchased, catalogued, and made available for district-wide use. The project will continue to identify and develop new program components through mini-grant and staff development activities. All implementation and dissemination activities will be documented. The project coordinator will meet monthly with the local school principals to discuss project related concerns and report on time lines relating to this activity. Eight additional sites will be identified to develop similar services and programs for the disadvantaged and handicapped. Each of the nine sites will have modified schedules to allow for released time of staff directly working with students and have identified each site's program manager. This will be accomplished by the project coordinator meeting directly with the administrative staff of each of the nine sites. Documentation will include a record of conferences held and a summary of each session's findings.

**AR 78 0183**

**Labor, Business, Education Council and Community Resource Program.**
**Project Director:** Henard, John
**Organization:** Regional Office of Education (Boone-Winnebago), Rockford, Ill.
**Address:** Rockford, IL
**Descriptors:** Career Awareness, *Career Education, Career Opportunities, Community Resources, *Cooperative Programs, *Employment Opportunities, Labor Unions, Organizational Communication, *School Community Relationship, *School Industry Relationship
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $25,000
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-C8-510

Objectives of the project are to (1) promote a cooperative effort by area labor leaders, businessmen, and educators providing career activities for area schools; (2) provide a central access point for Career Education Services; (3) promote the integration of career education into the regular curriculum of area schools; (4) provide communication between area school staff members and members of the labor and business communities; (5) better relate the world of work and the classroom; (6) provide students with access to, and awareness of, characteristics, needs, and work philosophies of area business and labor organizations; and (7) provide students with awareness of the expanse of career opportunities. Procedures include: (1) development of the Labor, Business, Education Council; (2) communication and liaison with the Workforce Needs Survey Committee; (3) continued presentations on Career Education to area employers and school faculties; (4) revision and expansion of Community Careers Resource Manual; (5) survey and expansion of cooperating area employers; (6) communication with educators via newsletter; and (7) continued offering of loan of films and materials through the Career Materials Resource Center.

**AR 78 0184**

**Marketability Study of Graduates of Illinois Agriculture Programs of Higher Education for the Purposes of Student and Parent Advisement, Program Planning, and Program Changing–Phase III.**

**Project Director:** Woods, Harvey S.
**Organization:** Illinois State Univ., Normal
**Address:** Normal, IL 61761
**Descriptors:** *Agricultural Personnel, Data Analysis, Data Collection, *Employment Opportunities, Followup Studies, *Graduate Surveys, *Higher Education, Labor Market, *Professional Personnel, *Vocational Followup
**Funding Period:** Start Date 1 Aug 77; End Date 30 Jun 78
**Fiscal Year Funding:** $17,285
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-C8-250

This project will (1) obtain annual records of the first full-time career positions obtained by all agriculture graduates for the two-year and four-year Illinois educational institutions offering a degree in agriculture; (2) assemble data in a manner to show the marketability of graduates from the various progressional agricultural programs for the given year; (3) make this data available annually to high schools; two-year colleges, and four-year colleges offering agriculture for advisement of students and parents relative to a career in agriculture and curriculum building and updating. An advisory committee from the Illinois Agriculture Articulation Committee will use two previously developed data collection instruments, one for use by each of the year's graduates of 39 Illinois agricultural colleges, and one to be completed by a faculty representative from each school. Data collected using these instruments resulted in published reports in 1976 and 1977 on agricultural graduates. Completion of this proposal will result in a published report in 1978 on the Illinois agricultural graduates of 1977.

**AR 78 0185**

**Mini-Grants for Implementing Innovative Programs in Rural Southern Illinois.**
**Project Director:** Rawlinson, Jack
**Organization:** Little Wabash Area Vocational Center, Carmi, Ill.
**Address:** R.R. 2, Carmi, IL 62821
**Descriptors:** Conferences, *Educational Innovation, *Grants, *Needs Assessment, *Program Development, *Rural School Systems
**Funding Period:** Start Date 1 Feb 78; End Date 31 Jul 78
**Fiscal Year Funding:** $20,625
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-A8-586

This project proposes to (1) conduct a needs assessment survey of districts in DAVTE Region VI to identify occupational education research, developmental curriculum, and inservice needs; (2) analyze results of the needs assessment and identify specific kinds of activities; (3) sponsor a mini-grant program, through the Board of Directors of SIOEL, to aid districts in meeting special problems associated with their location (rural); and (4) sponsor a special conference for rural vocational educators. Procedures will include: (1) developing needs survey instrument with assistance from SIU-C, the Directors of SIOEL, and DAVTE staff; (2) developing a process for analyzing results of the needs survey, Board of Directors of SIOEL selected mini-grant sites, and contract with LEA's to conduct activities; and (3) working with consultants of SIU-C, DAVTE, LEA's, and Directors of SIOEL, to plan a Rural Conference to disseminate activities of mini-grants.

**AR 78 0186**

**Model Occupational Program for Handicapped and Disadvantaged Persons: Coordination, Development, Planning, Implementation, Evaluation and Dissemination.**
**Project Director:** Webb, Gerald A.
**Organization:** Edwardsville Community Unit School District 7, Ill.
**Address:** Edwardsville, IL
**Descriptors:** *Career Education, Curriculum Development, *Curriculum Guides, *Disadvantaged Youth, *Handicapped Students, *Information Dissemination, Mainstreaming, *Program Development, Program Evaluation
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $29,512
**Note:** This project also received $15,850 under Sec. 120 for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-C8-512

The project will (1) establish a model system for ongoing implementation of concepts and diffusion of information to personnel providing occupational education for handicapped and disadvantaged persons; (2) synthesize and refine locally developed and adopted model materials, special services, and individually designed and directed programs for handicapped and disadvantaged persons; (3) implement a model system within the structure of the current vocational programs that will effectively meet the needs of all handicapped and disadvantaged students; (4) continuously monitor and assess implementation impacts by a series of evaluative conferences and/or instruments; and (5) develop extensive delivery strategies for model demonstrations and information dissemination to personnel providing occupational education for handicapped and disadvantaged persons. Procedures will be to (1) employ appropriate professional personnel to direct, coordinate, and manage the implementation diffusion model program; (2) provide facilities and appropriate support personnel for the Coordinator; (3) design a multi-faceted approach that will provide occupational education to disadvantaged and handicapped persons through mainstreaming, reintegration, special programs, prescriptive education, individualization, ancillary services, and competency-based curriculum; (4) conduct an in-depth program of inservice education for all personnel, including administrators, guidance counselors, academic and occupational teachers, curriculum cabinet and supportive staff; and (5) display, demonstrate, share, and diffuse all model information, materials, workshops, and other activities as mentioned above. Materials available through this project will be: (1) identification procedures; (2) curriculum revision guidelines; (3) special education curriculum guide; (4) applied arts handbook; (5) working with handicapped and disadvantaged (Handout for teachers); and (6) curriculum for vocational mini-course.

**AR 78 0187**

**To Improve Occupational Education for Handicapped and Disadvantaged Students and to Serve as a Demonstration Diffusion Center "Together We Can"–Phase III.**
**Project Director:** Boldrey, Tom
**Organization:** Joliet Township High School District 204, Ill.
**Address:** 201 East Jefferson Street, Joliet, IL 60432
**Descriptors:** Articulation (Program), *Career Education, Demonstration Centers, *Demonstration Programs, Diffusion, *Disadvantaged Youth, Educational Diagnosis, *Handicapped Students, Information Dissemination, Occupational Guidance, Program Coordination, Staff Improvement, *Student Needs
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $27,998
**Note:** This project also received $30,821 under Sec. 120 for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-C8-521

Existing occupational education programs and services for all H&D youth in District 204 will be strengthened in this project. Staff's knowledge of existing programs and services for H&D youth will be increased and the articulation and coordination of programs and services available to H&D youth will be strengthened. The project will serve as a demonstration/diffusion center for exemplary occupational education activities for H&D youth and demonstration/diffusion efforts to the target population of vocational and special education directors in the western collar counties of Chicago (by collaborative actions with District 214) will be emphasized. Procedures will be to (1) distribute and compile a needs assessment survey jointly with District 214 to assist in planning dissemination/diffusion plans; (2) develop a model comprehensive career guidance program for implementation beginning the fall semester; (3) implement programs and procedures developed under previous mini-grants including the parent's handbook, the Special Services Directory, Faculty Focus Newsletter, and other mini-grant projects piloted during 1976-77; (4) implement the electronic-based, computerized H&D identification system; (5) make local staff presentations to state conventions, local civic groups, groups of vocational and special education directors, and other professional organizations; and (6) sponsor two-day conferences, one to be held in the Joliet area and the other in Arlington Heights area. Four one-day visitation days will be scheduled in April and May.

**AR 78 0188**

**To Improve the Probability of Success (TIPS) Program and Demonstration.**
**Project Director:** Smith, Sarah Elizabeth
**Organization:** Herrin Community Unit 4, Ill.
**Address:** Herrin, IL 62948
**Descriptors:** *Academic Failure, *Disadvantaged Youth, Economically Disadvantaged, Educationally Disadvantaged, *Individual Instruction, *Remedial Programs, Resource Guides, Secondary Education, *Student Needs, *Tutoring
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $37,025
**Note:** This project also received $27,030 under Sec. 120 for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-C8-518

The overall objective of this project is to render assistance to students who are failing in school subjects by reason of some academic or economic disadvantage or who have been declared eligible for special education programs and services. By providing one-to-one help for the students, hopefully they will become employable and successful at a much faster rate. Mentors will be hired to work with students on a one-to-one basis. The mentors may or may not have a degree. It is very crucial that the mentors possess the ability to work successfully with the disadvantaged students. Two reference manuals will be produced to provide assistance to the LEA's directors. These manuals may be disseminated to LEA's at the end of the project, the remaining copies will be delivered to DAVTE.

**AR 78 0189**

**Tri-County Career Education Project.**
**Project Director:** Musgrove, Paul
**Organization:** Tri-County Industry-Education-Labor Council, East Peoria, Ill.
**Address:** P.O. Box 2400, East Peoria, IL 61635
**Descriptors:** *Career Education, *Guidance Centers, *Information Centers, *Information Dissemination, Inservice Programs, Institutes (Training Programs), Occupational Information, *School Community Relationship, School Industry Relationship, Workshops
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $19,444
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-C8-561

This project will establish (1) a Career Vocational Job Information Center; (2) a collaborative career education conference; (3) revision and implementation of vocational areas identified by students, employers, and schools based on community need; (4) a Career Guidance Institute; (5) area conference workshop collaborative career education; (6) inservice workshops; (7) construction trades and industry apprenticeship and job training programs; (8) a newsletter; (9) seminars/workshops/forums relating to collaborative effort by counselors; (10) Education Programs Yellow Page Book; (11) workshops/seminars/forums on technology developments for office occupations; and (12) feasibility study for training center. Business, labor, industry, government, and educators in the tri-county area will be utilized, as well as IOE/DAVTE staff personnel. This project will (1) utilize existing VIP 10 modules from Joliet Junior College; (2) use knowledgeable community resource people to collaborate with counselors; (3) co-sponsor the institute and utilize ICC and ISU teaching personnel, NAB and ASTD as co-sponsors; (4) use teaching instructors and professors from WIU, ISU, U of I, EIU and consult with IOE/DAVTE staff in developing the service and use as consultants IOE personnel; (5) distribute information relating to individualized instructions, open schools, team teaching, and alternative schools; (6) survey and identify federal and/or state financed educational programs in tri-county area; and (7) explore (through discussion meetings) need and willingness to establish an area training center concept.

**AR 78 0190**

**Uncomplicated Elementary Career System for the Real Classroom.**
**Project Director:** Wertz, Dean
**Organization:** Bloom High School, Chicago Heights, Ill.
**Address:** Chicago Heights, IL
**Descriptors:** *Career Education, Curriculum Development, Curriculum Evaluation, *Elementary Education, Manuals, *Racial Discrimination, *Resource Centers, Sex Fairness, *Sex Stereotypes, Teacher Developed Materials
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $55,215
**Note:** This project also received $23,800 in local funds for FY 1978.
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD2-B8-507

Locally developed materials will be illustrated and revised in order to eliminate both racial bias and sex role stereotyping by January 1, 1978, in this project. Activities for field testing for statewide dissemination will be indentified and coordinated for the CASE materials during the 1978-79 school year. The development and enrichment of the existing CASE Resource Center will be continued. A procedures manual on establishing a career education service center will be developed. A network of state representatives in four to six sites throughout the state will be established, as will a system of activities and inservice workshops with the state representatives. A system will be developed for establishing CASE materials and procedures at the field sites. The network of career education building representatives in each local attendance center will be refined. The development of the existing CASE K-8 System of career education materials will be continued. These materials include: K-3 File Box and "Factivities," 4-6 Career Capers and Factivities, 7-8 Counselor Film Series, 7-8 Career Corner in Language Arts, and 7-8 Corners in Math.

## Curriculum Development (Sec. 133)

**AR 78 0191**

**Advertising Services: A Suggested Curriculum Guide–Phase I.**
**Project Director:** Wray, Ralph D.
**Organization:** Illinois State Univ., Normal. Dept. of Business Education and Administrative Services
**Address:** Normal, IL 61761
**Descriptors:** *Career Ladders, Curriculum Development, *Curriculum Guides, *Job Skills, Learning Activities, *Merchandising, *Performance Based Education, Promotion (Occupational), Teaching Methods
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $9,013
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-A8-583

This project will complete developmental activities which will culminate in content for a guide, "Advertising Services: A Suggested Curriculum Guide." This project will (1) determine job competencies for the particular occupational area including minimum competencies for job entry; (2) determine career ladders and criteria for promotion; (3) formulate cluster instructional objectives; and (4) determine teaching strategies and learning activities for each goal. The procedures will be to (1) formulate a listing of specific occupations and competency statements; (2) establish a panel of experts and conduct validation interviews; (3) prepare career ladders and statements of criteria for promotion; (4) prepare statements of what students are expected to learn as a result of instruction; (5) prepare suggested learning activities designed to enable students to acquire needed competencies; and (6) duplicate copies of materials developed in Phase I.

**AR 78 0192**

**Competency-Based Curriculum for Agricultural Occupations Program. Phase I: Developing an Occupational Matrix and Completing a Job Title Purposive Study.**
**Project Director:** Wood, Eugene; And Others
**Organization:** Southern Illinois Univ., Carbondale. Agriculture Industries
**Address:** Carbondale, IL 62901
**Descriptors:** Agricultural Education, Curriculum Development, *Horticulture, *Job Analysis, *Occupational Information, *Performance Based Education, Program Development, *Task Analysis
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $14,742
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-A8-590

The project will produce a (1) horticulture job title matrix listing in a systematic format the job titles in horticulture; (2) validated listing of tasks for one job title; and (3) documentation of procedures which are effective in implementing V-TEC's in Illinois vocational programs. Procedures will be to (1) establish procedures in compliance with V-TEC's; (2) form the advisory committee; (3) prepare a job title survey; (4) formulate the horticulture matrix; (5) conduct the job title survey; (6) review and modify the job title survey; (7) identify a working committee for purposive study and establish task rejection criteria to identify core tasks and survey job incumbent personnel; and (9) review tasks and make a final report of matrix and purposive study to DAVTE.

**AR 78 0193**

**Competency-Based Curriculum Guide in High School Horticulture.**
**Project Director:** Polaskey, Norman
**Organization:** Bremen High School District 228, Midlothian, Ill.
**Address:** 15233 South Pulaski Road, Midlothian, IL 60445
**Descriptors:** Curriculum Development, *Curriculum Guides, Employment Projections, Grade 10, Grade 11, Grade 12, *Job Skills, Material Development, *Ornamental Horticulture, *Performance Based Education, *Program Effectiveness, Promotion (Occupational), Secondary Education, Task Analysis
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $5,874
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-A8-592

The project will conduct a feasibility study to determine the potential utilization of this curriculum and conduct a Task Analysis to determine job competencies for the Ornamental Horticulture Industry, including minimum competencies for job entry and criteria for promotion. The project will formulate measurable performance objectives, criteria referrents, and develop and verify evaluative instruments to determine teaching and evaluation strategies for each goal. Learner activity materials will be developed to support the learning of measurable objectives by students and individual modules will be validated to determine if the instructional materials successfully teach the students for whom they were designed. The project will implement and field test the effectiveness of the entire system and followup on program completers to determine the long-range effectiveness of the system. Procedures will include: (1) reviewing current trends to identify future labor projections in Ornamental Horticulture by February 15, 1978; (2) surveying existing documents and training materials, interviewing employers and employees, as well as other content specialists to determine job competencies by March 1, 1978; (3) reviewing Task Analysis in order to formulate student performance objectives by March 15, 1978; (4) producing, verifying, and field testing evaluative instruments by April 15, 1978; (5) developing competency-based curriculum guide, including lesson plans, bibliography of material resources and methodologies by April 15, 1978; (6) trying out and modifying the instructional materials on small groups of students beginning April 15, 1978; (7) implementing the entire system to a group of 30 students, then to several groups and collecting data and modifying where necessary beginning July 15, 1978; and (8) surveying

successful program completers to determine if objectives were valid and relevant to them beginning February 1, 1979.

**AR 78 0194**

**Curriculum Guides for Marketing and Distributive Education–Field Test.**
**Project Director:** Harris, E. Edward
**Organization:** Northern Illinois Univ., De Kalb
**Address:** De Kalb, IL 60115
**Descriptors:** Agribusiness, Curriculum Development, *Curriculum Evaluation, *Curriculum Guides, *Distributive Education, Inservice Education, *Marketing, Postsecondary Education, Retailing, Secondary Education, Wholesaling
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $23,513
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-B8-563

Objectives are to (1) field test and revise the rough drafts of the following four marketing and distributive education curriculum guides: General Marketing, Food Marketing, Wholesaling, and General Retail Merchandising, that were developed and duplicated in the first draft form during the 1976-77 school year; (2) print and disseminate the four curriculum guides identified in objective number one through inservice training workshops and through the Curriculum Publications Clearinghouse at Western Illinois University; (3) conduct inservice, drive-in training seminars at six selected locations within the state of Illinois for teachers and administrators desiring to update the curriculums in the field of marketing and distributive education at the secondary and community college levels; and (4) conduct an intensive three-week marketing and distributive education curriculum development workshop. Procedures will be to (1) field test and revise the following four first-draft copies of the curriculum guides that were developed by Dr. E. Edward Harris, Northern Illinois University, RFP Code C-7: General Marketing, Food Marketing, Wholesaling, and General Retail Merchandising; (2) print and disseminate the curriculum guides through a series of six inservice training workshops throughout the State of Illinois; and (3) conduct a three-week intensive marketing and distributive education curriculum workshop. Products to be delivered will include: 1,000 copies of the curriculum planning guide, 700 copies of the general marketing guide, 500 copies of the food marketing guide, and 500 copies of the wholesale guide.

**AR 78 0195**

**Design and Projection of Program Materials for Adult, Vocational, and Technical Education.**
**Project Director:** Stromberg, Elden D.
**Organization:** ComUnigraph, Inc., Springfield, Ill.
**Address:** 530 South Grand West, Springfield, IL 62704
**Descriptors:** *Information Dissemination, *Material Development, *Pamphlets
**Identifiers:** *Displaced Homemakers
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $2,950
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-A8-645

Design, graphic, and production services will be provided to prepare an overview brochure of the two Illinois centers serving displaced homemakers. The brochure will be disseminated by the Department of Adult, Vocational, and Technical Education.

**AR 78 0196**

**Design and Reproduction of Program Materials for Adult, Vocational and Technical Education.**
**Project Director:** Stromberg, Elden D.
**Organization:** University Graphis Inc., Springfield, Ill.
**Address:** 530 South Grand West, Springfield, IL 62704
**Descriptors:** Adult Education, Curriculum Development, Guidance Centers, *Information Dissemination, Material Development, *Occupational Guidance, *Pamphlets, *Publications, Publicize, *Reprography
**Funding Period:** Start Date 8 May 78; End Date 30 Jun 78
**Fiscal Year Funding:** $4,800
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-A8-637

The main objective of this project is to provide design, graphic, and production services to DAVTE for an overview brochure of the career guidance center network and, a second edition of the "Specifications and Model Format for Curriculum Products." Graphic design and production services will be provided by UGI for the preparation of the guidance brochure and curriculum publication. This project will provide DAVTE with appropriate program materials to disseminate information about (1) the career guidance center network and (2) specifications for curriculum development in vocational education.

**AR 78 0197**

**Develop Competency-Based Curriculum Guides for Graphic Arts Vocational Programs.**
**Project Director:** Hayes, Bill
**Organization:** Johnsburg School District 12, McHenry, Ill.
**Address:** 2117 West Church Street, McHenry, IL 60050
**Descriptors:** Career Ladders, *Curriculum Development, *Curriculum Guides, *Demonstration Programs, *Graphic Arts, Individualized Instruction, Job Skills, Learning Modules, *Lesson Plans, *Performance Based Education, Promotion (Occupational)
**Funding Period:** Start Date 3 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $20,260
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-A8-594

The project will (1) develop a competency-based curriculum guide for a graphic arts program that will provide lesson plans for the instructor to use to implement this program; (2) determine job competencies including minimum competencies for job entry; (3) determine career ladders and criteria for promotion in this field; (4) develop a list of teaching resources and a curriculum guide for classroom teachers to use (daily lesson plans); (5) field test materials developed and make the needed changes; (6) print materials in quantity for each school to receive a copy; and (7) disseminate material developed statewide by the use of workshops and demonstration days at the school and develop self-study (individualized) packets for students. Procedures will be to (1) conduct a review of the literature to find what material is now available and adapt this to the program; (2) expand the present advisory council to provide input from business and industry; and (3) follow the AVTE publication entitled "Specification and Model Format for Curriculum Programs" in developing this project.

**AR 78 0198**

**Field Test of Health Occupations Curriculum Guide.**
**Project Director:** Schriber, Peter E.
**Organization:** National Evaluation Systems, Inc., Amherst, Mass.
**Address:** P.O. Box 226, Amherst, MA 01002
**Descriptors:** Curriculum Development, *Curriculum Evaluation, *Curriculum Guides, Grade 10, Grade 11, *Health Occupations Education, Secondary Education
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $28,028
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-A8-584

This project will accomplish a field test of the existing materials, as well as detailed reviews by content experts and curriculum development specialists, upon which revisions of the materials will be based. The field test project, and resulting revised guide, will contribute significantly to the usability, content accuracy, and managability of the Guide. Procedures will be to (1) identify content and curriculum specialists for Advisory Committee; (2) develop a comprehensive field test plan and instruments; (3) identify and support field test activities of 20 teachers; (4) analyze field test results and advisory committee evaluations; (5) revise the curriculum guide; and (6) print and deliver 500 copies of revised guide to AVTE.

**AR 78 0199**

**Finance and Credit Curriculum Research–Phase I.**
**Project Director:** Harris, E. Edward
**Organization:** Northern Illinois Univ., DeKalb
**Address:** 323 Wirtz Hall, DeKalb, IL 60115
**Descriptors:** Career Ladders, *Credit (Finance), Curriculum Development, *Curriculum Guides, *Curriculum Research, *Finance Occupations, Job Analysis, *Job Skills, *Performance Based Education, Promotion (Occupational), Task Analysis
**Funding Period:** Start Date 15 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $10,817
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-A8-596

The project will (1) identify all the competencies that are most essential for the most common first level jobs in the field and finance and credit; (2) identify the most common career ladders and the most important criteria and promotion in the fields of finance and credit; and (3) prepare a curriculum guide that includes provisions both for teaching and the essential competencies and helping students to be aware of career opportunities and promotion criteria for the fields of finance and credit. The guide will include measurable objectives, suggested teaching strategies, a listing of resources available, and will serve as a guide on the career orientation and preparation levels. Procedures will be to (1) study marketing employment research literature, interview business executives, and conduct task analysis to help determine common and specialized competencies for verification for further consideration and identify career ladders as well as major criteria for promotion in selected distributive occupations with the largest number of individuals employed in the most common first level positions in the fields of finance and credit; (2) prepare competency

statements and prioritize competencies for the most common first level positions in the fields of finance and credit; (3) prepare and field test the curriculum guide to teach identified essential competencies for the most common first level jobs, revise and print curriculum guide, and conduct inservice training; and (4) conduct inservice training on the curriculum guide for finance and credit.

**AR 78 0200**

**Modular Curriculum Guides for Homemaking as a Career.**
**Project Director:** Oldham, Mary Jo
**Organization:** Southeastern Illinois Coll., Harrisburg
**Address:** R.R. 4 College Drive, Harrisburg, IL 62946
**Descriptors:** Adults, *Career Education, *Community Colleges, Curriculum Development, *Curriculum Guides, *Homemaking Education, *Individualized Programs, *Learning Modules, Postsecondary Education, Secondary Education
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 78
**Fiscal Year Funding:** $25,000
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-A8-611

Objectives of this project are to develop modular curriculum guides suitable for teaching homemaking at the community college level; test selected modules in classes at Southeastern; prepare usable curriculum guides for dissemination; and prepare for full field testing. Procedures will be to select personnel to assist in project; review materials available and visit individualized programs in other instructional areas; select and order new materials suitable for individual student use; begin development of first units; submit materials to consultants for review; and have materials ready for field testing.

**AR 78 0201**

**Parenthood Education: A Curriculum Development Project.**
**Project Director:** Winsor, Helen B.
**Organization:** Northern Illinois Univ., DeKalb. Dept. of Home Economics
**Address:** 209 Wirtz Hall, DeKalb, IL 60115
**Descriptors:** Curriculum Development, *Curriculum Guides, Information Dissemination, *Parenthood Education, *Performance Based Education, Secondary Education
**Funding Period:** Start Date 15 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $21,020
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-A8-597

The project will (1) develop a competency-based "Curriculum Guide in Parenting Education" for use in Illinois; (2) field test in the guide; and (3) disseminate the "Curriculum Guide in Parenting Education" as previously developed and field tested. Procedures will be to (1) identify experts in the field in Illinois; (2) identify competencies to form basis for curricula building; (3) develop criteria for each competency identified; (4) develop, identify, and compile enabling activities which will allow students to obtain competencies; (5) field test curricula materials; (6) deliver 500 copies to DAVTE; and (7) conduct dissemination workshops.

**AR 78 0202**

**State of the Art of Small Business Management Programs in Community Colleges.**
**Project Director:** Fricano, Peter
**Organization:** Triton Coll., River Grove, Ill.
**Address:** 2000 Fifth Avenue, River Grove, IL 60171
**Descriptors:** *Community Colleges, *Educational Needs, Educational Planning, *Educational Programs, Individual Characteristics, *Management Education, Postsecondary Education, Program Evaluation, School Surveys, *State of the Art Reviews
**Identifiers:** *Entrepreneurship Education
**Funding Period:** Start Date 1 May 78; End Date 30 Aug 78
**Fiscal Year Funding:** $10,770
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-A8-638

Objectives of this project are to (1) determine what educational offerings Illinois community colleges currently offer to meet the management needs of small business and to inform prospective small business owners of the entrepreneurial attitudes, skills and talents needed for success; (2) determine the range of programs and services community colleges could offer in small business management and entrepreneurial attitudes and skills; and (3) inform DAVTE and all Illinois community colleges of what resources and programs are currently available in the areas of small business management and entrepreneurial attitudes and skills. Procedures in determining the state of the art will be to (1) contact and set up a meeting with knowledgeable representatives from community colleges in Illinois that have developed extensive programs in the area of small business management; (2) develop and send out, prior to the meeting, a survey to the community college representatives on their small business management programs; (3) convene a one-day meeting of the representatives to discuss the survey information as well as other pertinent information on how best to address the needs of prospective and present small business owners; and (4) prepare a report summarizing survey results and meeting discussions for DAVTE.

**AR 78 0203**

**Survival Skills and Curricula for Bilingual Vocational Education.**
**Project Director:** King, John
**Organization:** Southern Illinois Univ., Carbondale
**Address:** Carbondale, IL 62901
**Descriptors:** *Bilingual Education, Curriculum Development, *Inservice Programs, *Spanish Speaking, Staff Improvement, Staff Orientation, Teaching Methods, *Vocational Adjustment, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $39,918
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-C8-520

Instructors will be aided in the proper delivery of specialized bilingual training materials designed to enhance occupational persistence (survival) of culturally and linguistically different individuals. Existing vocational survival skill curriculum materials will be adapted for use with culturally and linguistically different individuals and to assist instructional personnel in the delivery of specialized curriculum materials so as to provide quality instruction to the population. The above objectives will be implemented in three phases covering a total of eight objectives. Phase I of the project was completed on the 30th of June, 1977. Phase I included the following objectives and activities: (1) identification of important survival skills to enable Spanish-speaking vocational education students to succeed during their educational and post educational phases of development; (2) identification of currently available bilingual vocational curriculum materials; (3) preparation of an annotated bibliography of bilingual vocational education materials; and (4) identification of those vocational categories where bilingual instructional materials are needed and conceptualization of plans for adapting curriculum materials to be prepared during Phase II of the activity. In objective five of Phase II, a number of survival skills curricula currently available through the efforts of the University of Illinois, Illinois State University, Edwards County High School, and several other projects, will be adapted to the needs identified in Phase I of the project. Objective six would identify services available throughout the state in an effort to educate both counselors and leaders within the Latino communities concerning the availability of programs which emphasize vocational training. Secondly, through field contact, those involved in the project will present specially adapted bilingual vocational survival skill curriculum materials to those institutions and centers to reach individuals in need of such training at the community level.

**AR 78 0204**

**To Demonstrate How Schools Are Delivering Vocational Instruction Using Competency-Based Curricular Methods.**
**Project Director:** Cobb, Henry R., Jr.
**Organization:** DuPage Area Vocational Education Authority Center, Addison, Ill.
**Address:** 301 North Swift Road, Addison, IL 60101
**Descriptors:** Curriculum Evaluation, *Delivery Systems, *Demonstration Centers, *Demonstrations (Educational), Individualized Programs, *Performance Based Education, *Program Descriptions, Program Development, *Program Effectiveness
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $15,880
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-A8-593

This project will (1) develop a description of the DAVEA Center competency-based vocational education; (2) develop a transportable model of the above; (3) develop an effective system for diffusion/dissemination of the DAVEA Center description entitled "Individually Guided Learning Satem" (IGLS); (4) establish the DAVEA Center as a demonstration center for competency based vocational education; and (5) extend the evaluation and increase the validity of the DAVEA competency-based system by interviewing a sampling of employers, to examine their response to the system and the quality of training that the DAVEA Center provides, as they view it. Procedures will be to (1) prepare and describe the existing DAVEA Center learning delivery system for publication (the current descriptions need to be converted to common terms and language that can be understood by the education community; (2) create a multimedia program (print and nonprint) that may be disseminated to the education community, describing the method of creating and implementing the competency-based curriculum; (3) create an individualized package to aid other educators in understanding the concepts of the DAVEA IGLS (with this package, visitors can be aided, taught, and evaluated as a part of their visit to the demonstration center; and (4) create an evaluation system that would include employers, community members, parents, students, local school personnel, and DAVEA Center staff to evaluate the competency-based curricular methods established and used.

**AR 78 0205**

**Vocational-Technical Education Consortium of States (V-TECS).**

**Project Director:** Childers, B. E.
**Organization:** Southern Association of Colleges and Schools, Atlanta, Ga.
**Address:** Atlanta, GA
**Descriptors:** *Behavioral Objectives, Catalogs, Check Lists, *Criterion Referenced Tests, *Performance Based Education, Performance Criteria, Secondary Education, *Task Performance
**Identifiers:** *Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $25,000
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-A8-559

The project will develop valid catalogs of performance objectives, criterion-referenced measures, and performance guides for use in vocational-technical education curriculum development. Projects are established following an analysis and selection of occupational domain areas for catalog development. For each domain, a state-of-the-art study is conducted and preliminary lists of tasks, tools, and equipment are developed based upon the review of existing literature. These preliminary lists are refined by extensive interviewing of incumbent workers and supervisors. The occupational inventory is then compiled and administered to a random sample of incumbent workers. Responses are obtained relative to task performance, task time-spent, task difficulty (optional), and tool and equipment utilization. The data are amassed by computer and several standard reports are generated. These reports are used by writing teams to determine those tasks to be converted to performance objectives. A field review version of the catalog of performance objectives, criterion-referenced measures, and performance guides is prepared, field tested, and refined. Two copies of 15 catalogues will be delivered.

**AR 78 0206**

**Work Experience Career Education Program (WECEP) Guide: Revised, Updated, and Expanded.**

**Project Director:** Blair, Diane
**Organization:** Eastern Illinois Univ., Charleston
**Address:** Buzzard Education Building, Charleston, IL 61920
**Descriptors:** *Administrator Guides, Advisory Committees, *Career Education, Curriculum Development, *Program Evaluation, *Resource Guides, *Work Experience Programs
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $15,000
**Sponsoring Agency:** Illinois State Office of Education, Springfield
**Contract and/or Control No.:** RD3-A8-607

Objectives of this project are to (1) determine (by soliciting input from experienced teachers and selected AVTE personnel) how various sections, parts and items of the WECEP Guide should be revised, updated and expanded; (2) develop a revised WECEP Guide based upon suggestions made by the Advisory Committee and selected AVTE personnel; (3) send to the Advisory Committee and selected AVTE personnel the revised guide and ask for final suggestions and approval; (4) present to selected AVTE personnel progress and problems concerning the project and seek their assistance and further direction; and (5) develop an evaluation instrument which might be distributed at the end of the 1978-79 school year and again at the end of five years to users of the guide to determine effectiveness of the revised WECEP Guide. Procedures will be to (1) solicit coordinating teachers to provide input as to: (a) sections requiring revisions, (b) parts and samples to be updated, (c) new materials which should be added; (2) determine changes to be made and make alterations; (3) meet at least once with Advisory Committee and at least three times with selected AVTE personnel; (4) distribute revised materials to Advisory Committee for additional recommendations and final approval; and (5) print and compile 500 copies of guide and 200-300 copies of final report and deliver them to the East Central Curriculum Management Center in Springfield.

# INDIANA

## Research (Sec. 131)

**AR 78 0207**

**Analysis of Cognitive and Interest Factors in Vocational Success.**
**Project Director:** Garrison, Thomas
**Organization:** Metropolitan School District of Wayne Township, Indianapolis, Ind.
**Address:** 1220 South High School Road, Indianapolis, IN 46241
**Descriptors:** *Academic Achievement, Achievement Rating, *Cognitive Ability, Comparative Analysis, Disadvantaged Youth, *Educational Counseling, Factor Analysis, Goal Orientation, Handicapped Students, Measurement, Senior High Schools, *Student Interests, *Student Placement, *Success Factors, Vocational Interests
**Funding Period:** Start Date 1 Nov 77; End Date 30 Oct 78
**Fiscal Year Funding:** $19,960
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

Objectives of this project are to (1) determine measures of cognitive, interest, and past scholastic achievement which will aid counselors in determining appropriate training for vocational-bound students, especially for handicapped and disadvantaged students; (2) develop a comprehensive and reliable student performance scale for evaluating classroom success; and (3) prepare the results of data collection in such a manner as to provide counselors with a manual usable for guiding students and predicting their success. The objectives will be accomplished by administering to a state-wide sample of vocational students measures of cognitive status, interest and past academic achievement. Groups will be composed of (1) high- versus low-rated classroom performances; (2) high versus low past academic achievers; and (3) high versus low vocational interests. Statistical analyses will be performed on these group comparisons to test the significance of a pattern of test scores which is associated with each group.

**AR 78 0208**

**Assessment of Adequacy of Facilities for Secondary Vocational Programs.**
**Project Director:** Munsterman, Richard
**Organization:** R. E. Research Associates, West Lafayette, Ind.
**Address:** P.O. Box 2356, West Lafayette, IN 47906
**Descriptors:** Access to Education, *Cost Effectiveness, Data Collection, Educational Accountability, *Educational Facilities, Educational Programs, *Facility Guidelines, *Facility Utilization Research, Models, *Policy Formation, Program Evaluation, *Secondary Education
**Funding Period:** Start Date 1 Mar 78; End Date 31 Aug 79
**Fiscal Year Funding:** $67,874 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

Guidelines for policy development to provide effective and efficient use of existing and potential facilities for secondary vocational programs will be developed in this project. Also developed will be definitions of secondary facilities' adequacy by vocational programs, description of adequacy by vocational program, identification of strengths and weaknesses in existing secondary vocational facilities, and identification of alternatives about secondary vocational facilities. Procedures will include (1) drawing samples by programs in secondary schools, (2) adapting the State Advisory Council on Vocational Education facilities assessment instrument and pilot testing, (3) collecting data, (4) developing profiles by programs and by schools, (5) comparing and contrasting results to provide definitions and descriptions of program adequacy, (6) evaluating results to identify strengths and weaknesses of existing and potential facilities, and (7) drawing implications and identifying alternatives. Information and data derived from the project will help complete the area vocational program concept, move toward insuring access of all students to at least five vocational programs, provide a foundation for communicating to the public and gaining support of the legislature, serving as a component in the five-year program, and function as a component in state planning and accountability.

**AR 78 0209**

**Development and Implementation of a Student Job Placement and Follow-Up Plan.**
**Project Director:** Gredy, John S.
**Organization:** Indiana Vocational Technical Coll., Columbus
**Address:** 646 Franklin Street, Columbus, IN 47201
**Descriptors:** Data Collection, Employment Interviews, Employment Opportunities, *Employment Services, *Followup Studies, *Job Placement, Occupational Surveys, *Program Development, *Program Effectiveness, Program Evaluation, *Student Placement
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $28,360
**Note:** This project also received $4,845 in local funds for FY 1978.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 81-78

The purpose of the project is to develop a placement service which will place all students desiring work (both full and part-time) and to determine the effectiveness of placement services provided to students. Procedures will include: (1) establishing an advisory council; (2) conducting a survey of local job opportunities; (3) establishing a relationship between faculty and placement personnel; (4) initiating communication and cooperation with community agencies; (5) coordinating efforts with Indiana Employment Security Division within the Region; (6) organizing occupational information; (7) preparing students for meeting with prospective employers; (8) involving students in the operation of the job placement service; (9) following up student referrals to employers; and (10) publicizing the placement program.

**AR 78 0210**

**Elkhart Vocational Guidance Institute.**
**Project Director:** Morrison, Richard P.
**Organization:** Elkhart Area Career Center, Ind.
**Address:** 2424 California Road, Elkhart, IN 45614
**Descriptors:** *Counseling Services, Counselor Attitudes, *Counselor Training, Disadvantaged Youth, Handicapped Students, *Inservice Education, *Institutes (Training Programs), *Occupational Guidance, Program Development, School Industry Relationship, Secondary Education, Seminars
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $7,200
**Note:** This project also received $4,078 in local funds for FY 1978.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

Objectives of this project are to provide the opportunity for cooperating school counselors to accumulate resources and experiences that will enrich their vocational counseling service; assist counselors to know what preparation is necessary for a number of jobs; provide the opportunity for counselors to have direct contact with employers and agencies engaged in employment; and find ways of improving vocational guidance services for the students in all cooperating schools. Twenty participant counselors and school persons will select eight or nine visitation sites from thirty business, industry, and labor visitation possibilities. There will be a series of seminars involving the enrolled educators and business, labor, and industry personnel along with representative disadvantaged and handicapped high school students. The institute will be offered as a course credit option for participants.

**AR 78 0211**

**Feasibility Study: Vocational Areas Thirty-Nine and Forty-Three.**
**Project Director:** Carnahan, Joyce
**Organization:** South Knox School Corp., Monroe City, Ind.
**Address:** P.O. Box 338, Monroe City, IN 47557
**Descriptors:** *Feasibility Studies, Manpower Needs, *Needs Assessment, *Program Development, *Program Evaluation, *School Community Cooperation, Student Interests, *Student Needs, Surveys
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $20,000
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 44-78-III-1

A study will be conducted to review all existing vocational programs in Districts Thirty-nine and Forty-three, examine student needs and interests, examine community employment needs, and develop recommendations re-

garding the development of an area concept and possible programs. Data and community ideas will be collected through surveys of students, parents, faculty members, graduates, and business and industry; communication will be maintained with government agencies and community associations. Presentations will be made to civic groups to aid in determining community concerns. A discussion and review of the findings and recommendations will be held for all school board members and principle school personnel, and a final report will be distributed to the state and each school corporation.

AR 78 0212

**The Implementation of a Regional Planning and Communications Model.**

**Project Director:** Drucker, Eugene H.
**Organization:** New Albany-Floyd County Consolidated School Corp., Ind.
**Address:** 802 East Market Street, New Albany, IN 47150
**Descriptors:** Curriculum Development, Data Analysis, Data Collection, Economic Development, Educational Planning, *Information Dissemination, Models, *Performance Based Education, *Program Coordination, Program Development, *Program Planning, *Regional Planning, Sex Stereotypes, *Systems Development
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $28,313
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 59-78

The purpose of the project is to continue objectives of the River Hills project, including: (1) implement a regional planning system for vocational education; (2) improving communications pertaining to vocational education; and (3) incorporating career education into the region's economic development efforts. In addition, this project aims to (1) implement the products of these activities in regional educational planning and economic development efforts; (2) expand the scope of regional communication in relation to vocational education; (3) expand planning and communications into an adjacent economic region by establishing and providing assistance to a satellite office; (4) seek alternate sources of funding for maintaining the River Hills project and the satellite office; and (5) using information from the project's first year to confirm and support the development and implementation of competency-based curriculum in selected occupational areas. Procedures will include: (1) reviewing funding sources; (2) applying for supplemental funding; (3) operating the satellite center; (5) coordinating regional planning and communications; (6) supporting performance based curriculum; (7) assessing and coordinating reduction of sex stereotyping; (8) collecting and analyzing data; and (9) making a final report.

AR 78 0213

**Improvement of Secretarial Technology by Implementation of Performance-Based Instruction.**

**Project Director:** Borden, Sam
**Organization:** Indiana Vocational Technical Coll., Terre Haute
**Address:** R. R. 22 Box 760, Terre Haute, IN 47802
**Descriptors:** Clerical Workers, Curriculum Development, Heterogeneous Grouping, *Individualized Instruction, *Learning Modules, *Performance Based Education, Postsecondary Education, *Secretaries, *Task Analysis
**Identifiers:** *Open Entry Open Exit
**Funding Period:** Start Date 6 Sep 77; End Date 5 Sep 78
**Fiscal Year Funding:** $24,250
**Note:** This project also received $30,470 in local funds for FY 1978.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

Objectives of this project are to survey the current status of other training programs and offices; develop performance-based curricula, referenced to job titles and descriptions; and increase enrollment from fourteen to thirty-five or more in the next two years. Procedures will be to revise the current task analysis from information available from V-TECS and other occupational content; arrange revised task analysis by job titles and learning competencies are derived from that; and implement performance-based instruction.

AR 78 0214

**Indiana Vocational-Technical Education Research and Service Center Task I.**

**Project Director:** Gannon, F. B.
**Organization:** New Educational Directors, Inc., Crawfordsville, Ind.
**Address:** Box 307, Crawfordsville, IN 47933
**Descriptors:** Content Analysis, *Demonstration Projects, *Education Service Centers, *Program Evaluation, *Research and Development Centers, *Research Projects, *Success Factors
**Funding Period:** Start Date 1 Oct 77; End Date 15 Mar 78
**Fiscal Year Funding:** $22,574
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 129-78

The purpose of the project is to provide the State Board of Vocational Technical Education with an analysis of the extent to which FY 1976 and FY 1977 Part C and Part D projects accomplished the objectives stated in their funding proposals. In addition, characteristics which are common to "successful" projects, and those common to "unsuccessful" projects will be identified. Procedures will include: (1) obtaining funded proposals, revisions, final reports, and products from the State Board of Vocational Technical Education (SBVTE); (2) developing review and summary procedures; (3) reviewing and analyzing projects to find out the extent to which each met its obligations; (4) completing a second review and analysis by a second reviewer; (5) using an arbitrator review in the event that the first and second reviews are not in accord; (6) preparing and revising a summary document and presenting it to appropriate SBVTE staff for review; and (7) releasing the summary document to the SBVTE.

AR 78 0215

**Local Assessment of Newly Developed Curricular Materials (Health and Business).**

**Project Director:** Hixson, James E.
**Organization:** Central Nine Vocational-Technical Schools, Greenwood, Ind.
**Address:** P.O. Box 402, Greenwood, IN 46142
**Descriptors:** Banking, *Business Education, *Catalogs, Clerical Workers, Curriculum Development, *Curriculum Evaluation, *Health Occupations Education, *Instructional Materials, Nurses Aides, Secondary Education, Secretaries
**Identifiers:** Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $16,620
**Note:** This project also received $2,292 in local funds for FY 1978.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

Objectives of this project are to (1) make an indepth assessment of V-TECS and HOPE materials developed for nurse assistant programs in health occupations; (2) make an indepth study of V-TECS materials developed for bank teller and secretary; (3) determine strategies for incorporation of these materials into the curriculum; and (4) test curricular modifications in the classroom. Procedures will be to (1) procure V-TECS and HOPE materials, select specific materials to incorporate into current program; (2) develop plans for incorporation; (3) use modifications in classroom setting; and (4) evaluate effectiveness of plans, pretests, and posttests. Analysis will be done by the project director assisted by the principal investigator.

AR 78 0216

**Logansport Area Consortia to Develop a Local Plan for Performance-Based Vocational Education (PBVE) in Machine Trades.**

**Project Director:** Watts, Joan E.
**Organization:** El-Tip-Wa Area Vocational School, Logansport, Ind.; Indiana Vocational Technical Coll., Logansport
**Address:** Logansport, IN 46947
**Descriptors:** *Catalogs, *Consortia, Curriculum Development, *Curriculum Planning, *Machinists, Occupational Information, *Performance Based Education, *Program Development
**Funding Period:** Start Date 15 Sep 77; End Date 15 Aug 78
**Fiscal Year Funding:** $23,056
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

Objectives in this project are to develop a competency-based, uni-occupational local model which will define the machine trades sub-cluster within the major cluster of manufacturing for the purpose of curriculum development and program implementation, and local catalog of performance objectives and criterion-referenced measures associated with current occupational information relating to the job content of machinists. Procedures will be to (1) conduct an occupational needs assessment; (2) identify a priority area; (3) conduct a pre-program analysis and review team findings; (4) train project director and retired machinist; (5) develop domain matrix; (6) research and assign job titles; (7) locate or generate task inventories; (8) conduct task difficulty survey; (9) develop field review catalog instrument; and (10) field test modules.

AR 78 0217

**Maintaining a Job Placement Service.**

**Project Director:** Shaver, Carroll G.
**Organization:** Indiana Vocational Technical Coll., Terre Haute
**Address:** RR 22, Box 769, Terre Haute, IN 47802

**Descriptors:** Data Collection, *Employment Opportunities, *Job Placement, Postsecondary Education, *Program Improvement, Relevance (Education), *Student Placement, *Vocational Followup, Work Study Programs
**Funding Period:** Start Date 6 Sep 77; End Date 5 Sep 79
**Fiscal Year Funding:** $21,655
**Note:** This project also received $11,620 in local funds for FY 1978.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 12178

To improve the relevance of training, placement data for 1977-78 students will be gathered and disseminated, and feedback from graduates to the instructional program will be improved. Placement opportunities for graduates will be improved by expanding the geographic area of job placement. In addition, the job placement service will increase part-time job opportunities for currently enrolled students. Placement functions will be coordinated with support agencies, prospective employers will be visited, and a graduate booklet will be updated and refined.

### AR 78 0218

### Multimedia Approach to Increasing Communication of Vocational Education in Indiana.

**Project Director:** Moore, Barbara A.
**Organization:** Purdue Univ., West Lafayette, Ind.
**Address:** West Lafayette, IN 47907
**Descriptors:** Administrative Personnel, *Audiovisual Aids, *Educational Benefits, *Faculty Handbooks, Guidance Personnel, *Information Dissemination, *Material Development, *Publicize
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $13,587
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 21-78

The purpose of the project is to develop materials (handbooks, slide-tape presentations, etc.) explaining the organization, operation, and benefits of vocational education in Indiana. These materials will be used to explain vocational education to school administrators and guidance personnel, as well as persons not familiar with vocational education. Procedures will include: (1) organizing the advisory committee; (2) reviewing the literature; (3) developing the handbook; (4) developing slide/tape presentation; (5) field testing the handbook and slide/tape presentation; (6) refining and revising the handbook and slide/tape presentation; and (7) printing and disseminating the materials.

### AR 78 0219

### Operational Definition of Vocational Counseling in Indiana and Instrumentation.

**Project Director:** Gannon, F. B.
**Organization:** New Educational Directions, Inc., Crawsfordsville, Ind.
**Address:** P.O. Box 307, Crawfordsville, IN 47933
**Descriptors:** *Counseling Programs, Counselors, Interviews, *Measurement Instruments, *Program Evaluation, Secondary Education, Secondary Schools, *Self Evaluation, *Vocational Counseling
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $5,040
**Note:** This project also received $31,419 under Sec. 134 for FY 1978.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 114-78-III-14

To produce a criterion-based, self-evaluation program for counseling, five-minute interviews will be held with counselors in a ten percent stratified sample of approximately 800 secondary schools; a modified critical incident technique will be used in the interviews. As a result, an operational definition of vocational counseling as currently practiced in Indiana's secondary schools will be obtained, an operational definition of the ideal vocational counseling program will be established for 1982, and incongruities between current practices and the 1982 ideal will be determined. The criterion-based, self-administered instrument will be designed to assess movement toward the 1982 ideal.

### AR 78 0220

### Plan for a Multi-County Vocational Education Communications Center.

**Project Director:** Cunningham, Davis
**Organization:** Indiana Vocational Technical Coll., Evansville
**Address:** 3501 First Avenue, Evansville, IN 47710
**Descriptors:** Community Education, Data Collection, *Educational Programs, *Information Dissemination, *Regional Programs, *Vocational Counseling, *Vocational Schools
**Funding Period:** Start Date 1 Sep 77; End Date 31 Aug 78
**Fiscal Year Funding:** $21,220
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 73-78

The purpose of the project is to better inform the publics served by area educational institutions of the various programs and series offered by the institutions. Procedures will include: (1) establishing a centralized office with a full-time counselor and secretary; (2) disseminating information about vocational education; (3) holding discussions for and providing counseling to interested persons; (4) making presentations to area groups; (5) gathering information about area institutions offering programs or courses in vocational education; and (6) promoting communication and understanding between the staffs of these institutions.

### AR 78 0221

### Slide/Tape Communication Presentation for Madison, Grant, and Tipton Counties.

**Project Director:** Oakes, Nancy Sue
**Organization:** John H. Hinds Area Vocational School, Elwood, Ind.
**Address:** R.R. 4, Elwood, IN 46036
**Descriptors:** Audiotape Recordings, *Audiovisual Aids, *Communication Skills, Educational Objectives, *Educational Philosophy, *Educational Programs, *Material Development, *Publicize, Slides, Student Organizations, Student Participation
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $3,487
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 101-78

The purpose of the project is to develop a slide/tape presentation and printed narrative in order to communicate the philosophy, purposes, and training available through vocational education to the people of Madison, Tipton, and Grant counties. Specific objectives are to (1) upgrade existing materials; (2) promote the philosophy of vocational education throughout the area; (3) assist in the development of communication skills of vocational students currently enrolled in vocational programs in Madison and Tipton counties through youth organization presentations and involvement in the slide/tape presentation; and (4) generate enthusiasm for vocational education among the population via firsthand knowledge of existing and projected programs available in the area. Procedures will include: (1) using program materials available through the state department and individual schools; (2) taking slides of actual school activities; (3) using musical and narrative background developed by students, employers, instructors, and advisory committee members; and (4) reviewing and selecting final presentation slides and materials.

### AR 78 0222

### Special Services Coordination for Area School–Phase II.

**Project Director:** Andress, Guy, Jr.
**Organization:** Evansville-Vanderburgh School Corp., Ind.
**Address:** 1 South East Ninth Street, Evansville, IN 47708
**Descriptors:** *Career Education, Curriculum Development, *Educational Coordination, Experiential Learning, *Inservice Teacher Education, Models, *Needs Assessment, *Performance Based Education, Program Development, Program Evaluation, *Pupil Personnel Services, Secondary Education, Vocational Counseling
**Funding Period:** Start Date 1 Oct 77; End Date 1 Sep 78
**Fiscal Year Funding:** $30,000
**Note:** This project also received $7,425 in local funds for FY 1978.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

Objectives of this project are to (1) implement the model services block for the area vocational school that was developed in Phase I; (2) develop and implement a local operational plan for performance-based vocational education; (3) develop and implement a program evaluation system that assesses program impact within five years; (4) develop and implement a plan for identifying teacher inservice education needs for the area vocational school; (5) implement experienced-based career education curriculum into local plan; (6) implement a survey to assess employment needs in the local area; (7) implement a student interest survey; (8) evaluate the local plan for student job placement and follow-up; and (9) evaluate the vocational counseling plan for the local area vocational school. Procedures will be to (1) outline the special services system with analog; (2) prepare a data summarization report; (3) conduct student, business, and teacher surveys; (4) provide comprehensive program of inservice, materials development and implementation, and evaluation in area school; and (5) present programs, collect data, provide communications, and initiate joint research and development through cooperative ventures with other agencies involved or interested in vocational education.

AR 78 0223

**Standard and Optimum Vocational Technical Equipment Requirements and Their Adequacy.**

**Project Director:** Walter, Corrine W.

**Organization:** Indiana Vocational Technical Coll., Indianapolis

**Address:** P.O. Box 1763, Indianapolis, IN 46206

**Descriptors:** Comparative Analysis, Data Collection, *Educational Equipment, *Educational Needs, Educational Programs, *Equipment Evaluation, *Facility Inventory, *Information Dissemination, Safety, Systems Development

**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78

**Fiscal Year Funding:** $23,220

**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

**Contract and/or Control No.:** 67-78

The purpose of the project is to determine and disseminate standard equipment listings required for each course offered by the college and to supplement such records with the variation to basic equipment needs mandated to meet regional employment requirements. Specific objectives will be to (1) prepare and disseminate a standardized listing of minimum and optimum equipment requirements for vocational training programs; (2) make an annotated inventory of all equipment used for each course citing the age, condition, replacement cost, availability of repair parts, modification required to meet safety standards, and anticipated obsolescence date; (3) make a comparative analysis to determine standardization variables to meet required regional training needs; and (4) develop a cross referenced system to show the utilization of equipment common to multiple curricula. Procedures will include: (1) designing forms for collection of information on standard and optimum equipment requirements and for inventory of current equipment; (2) collecting data about recommended needs and current equipment; (3) preparing equipment listings; (4) reviewing process and finalizing equipment lists; (5) inspecting and documenting current equipment with projection of needed equipment and minimum specifications; (6) designing and preparing standard optimum equipment lists for dissemination; and (7) reporting and finalizing project activities.

AR 78 0224

**State Plan Printing (Addendum).**

**Project Director:** Reckerd, Thomas

**Organization:** Indiana State Univ., Terre Haute

**Address:** TAW 200, Terre Haute, IN 47809

**Descriptors:** *Educational Planning, *Information Dissemination, *Publications, *State Programs

**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78

**Fiscal Year Funding:** $7,045

**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

**Contract and/or Control No.:** 89-78-III-1

This additional funding will provide monies to print and distribute the Indiana five-year state plan for vocational and technical education.

AR 78 0225

**Study of Job Placement of Postsecondary Agribusiness Graduates.**

**Project Director:** Goecker, Allan D.

**Organization:** Purdue Univ., West Lafayette, Ind.

**Address:** Room 127 Agricultural Administration Building, West Lafayette, IN 47907

**Descriptors:** *Agribusiness, *Agricultural Occupations, Employment Level, *Entry Workers, *Graduate Surveys, *Job Placement, Postsecondary Education, Salaries, *Vocational Followup

**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78

**Fiscal Year Funding:** $6,940

**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

Objectives of this project are to (1) enumerate and summarize the kinds of entry level jobs assumed and the beginning salaries received by the 1977 postsecondary agriculture/agribusiness graduates of Purdue University, Vincennes University, and the Indiana Vocational and Technical College and (2) enumerate and summarize the kinds of jobs being performed and salaries received by 1972 postsecondary agriculture/agribusiness graduates of these schools. The investigators will initially prepare a complete roster of postsecondary certificate, associate degree and baccalaureate degree recipients in agriculture/agribusiness from the three schools for the years of 1972 and 1977. A standard questionnaire requesting information regarding the kind of initial job assumed or presently occupied, employer characteristics and level of employee earnings will be developed, evaluated and distributed to the population being studied. Responses not obtained by return mail will be solicited by follow-up mailings, by telephone, or by direct contact of the researchers. Standard statistical summarization techniques will be applied to the data to determine significant differences among subpopulations of the universal group being studied.

AR 78 0226

**System for Placement and Follow-Up in a Small Community.**

**Project Director:** Wysong, Richard

**Organization:** Lakeland Community Schools Corp. and Wawasee Area Vocational Cooperative, Syracuse, Ind.

**Address:** Box 276, Syracuse, IN 46567

**Descriptors:** *Employment Opportunities, *Job Placement, Program Development, *Rural Schools, *School Industry Relationship, Secondary Education, Sex Stereotypes, *Small Schools, Vocational Counseling, *Vocational Followup

**Funding Period:** Start Date 1 Oct 77; End Date 1 Oct 78

**Fiscal Year Funding:** $27,650

**Note:** This project also received $14,103 in local funds for FY 1978.

**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

This project aims to develop a comprehensive placement and follow-up program for small communities in order to bring together business, industry, and the school community in providing vocational opportunities for high school students and to insure a higher percentage of placement and retention on the job. The project will start out with the selection of an interested and active advisory committee. The project coordinator will arrange for personnel contact in each business and industry to make an indepth study of each, and will meet periodically with the counselors and co-op coordinators for the purpose of reviewing the information gathered and making it available to each high school counselor for student counseling purposes.

AR 78 0227

**V-TECS Coordination, Development of Three V-TECS Domain Catalogs, and Development of an Agribusiness Domain Matrix.**

**Project Director:** West, B. R.

**Organization:** Indiana State Univ., Terre Haute

**Address:** Terre Haute, IN 47809

**Descriptors:** *Agribusiness, *Behavioral Objectives, Catalogs, Check Lists, *Criterion Referenced Tests, Inservice Teacher Education, *Performance Based Education, Performance Criteria, Program Coordination, Secondary Education, *Task Performance

**Identifiers:** *Vocational Technical Education Consortium States

**Funding Period:** Start Date 1 Jan 78; End Date 31 Dec 78

**Fiscal Year Funding:** $100,403

**Note:** This project also received $14,065 in agency funds.

**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

**Contract and/or Control No.:** 31-78

Project objectives are to (1) provide coordination for current and future VTECS catalog development; (2) develop catalogs of performance objectives, performance guides, and criterion-referenced measures for job titles in three occupational domains; and (3) develop an agribusiness matrix showing job title clusters. Among procedures will be: (1) training project directors and writing teams in catalog production; (2) serving as liaison between projects and VTECS central staff; (3) producing three VTECS catalogs; (4) evaluating and submitting interim and final products to central VTECS staff; (5) serving as Indiana's alternate board members to the VTECS Board of Directors; and (6) encouraging participation in inservice workshops.

AR 78 0228

**West Central and Rennsselaer Vocational Development Program.**

**Project Director:** Hollenbuagh, Jerry

**Organization:** West Central School Corp., Francesville, Ind.

**Address:** 117 East Montgomery Street, Francesville, IN 47946

**Descriptors:** *Area Vocational Schools, Curriculum Planning, *Feasibility Studies, High School Students, *Job Market, Manpower Needs, *Needs Assessment, *Occupational Surveys, *Program Development, Student Interests, Vocational Interests

**Funding Period:** Start Date 1 Aug 77; End Date 30 Jun 78

**Fiscal Year Funding:** $18,600 (Charged to FY 1977)

**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

**Contract and/or Control No.:** 108-78

The purpose of the project is to develop curriculum to meet market demands in Region Ten. Specific objectives are to (1) identify the job market in Region Ten; (2) survey students from Rensselaer and West Central regarding vocational interests; and (3) form a feasibility study from the information obtained from the students and employers. Procedures will include: (1) contacting business and industrial leaders and surveying school communities to determine employment needs; (2) administering Vocational Interest Surveys to all members of the freshman through senior classes; and (3) analyzing the employment characteristics and student interests in order to develop curriculum.

## Exemplary and Innovative (Sec. 132)

**AR 78 0229**

**Careers Resource Project.**
**Project Director:** Carver, David
**Organization:** Indiana Vocational Technical Coll., Evansville
**Address:** 3501 First Avenue, Evansville, IN 47710
**Descriptors:** *Career Education, Consultants, *Educational Resources, *Information Dissemination, *Information Utilization, *Inservice Teacher Education, Instructional Materials, Instructional Materials Centers, *Interinstitutional Cooperation, Mobile Educational Services, Newsletters
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $139,418
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 83-78

Project objectives are to (1) promote awareness, understanding, and utilization of career education and vocational education concepts, materials, and activities by educators in schools in the project service area; (2) promote and provide increased vocational education and career education training and inservice training for educators; (3) assess inservice needs in individual schools; (4) increase utilization of all existing vocational and career education resources within and outside the project service area; (5) provide or help disseminate information about vocational information through the media; (6) foster cooperation among various educational institutions through shared use of personnel, equipment, materials, and ideas; (7) increase dissemination and utilization of the Student Career Orientation Profile; and (8) promote use of local advisory committees. Procedures will include: (1) inservice training; (2) materials library; (3) mobile units; (4) newsletters; (5) test instruments; and (6) a vocational consultant.

**AR 78 0230**

**Comparisons of High School Seniors Enrolled in Vocational, Business, and College Preparatory Programs and by Race.**
**Project Director:** Lisack, J. P.
**Organization:** Purdue Univ., West Lafayette, Ind.
**Address:** West Lafayette, IN 47907
**Descriptors:** *Business Education, *College Preparation, Comparative Analysis, Enrollment Influences, *Ethnic Groups, *Guidance Counseling, *High School Students, Information Utilization, Program Effectiveness, *Seniors, Student Characteristics
**Funding Period:** Start Date 1 Aug 77; End Date 31 Mar 78
**Fiscal Year Funding:** $3,093 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 47-77-III-2

This project will (1) provide specific data about the differences or similarities of high school students enrolled in various programs; (2) develop effective communications by sharing this data with administrators, vocational educators, counselors, parents, employers, and members of the public; and (3) assist staff members of the State Board of Vocational and Technical Education, the Department of Public Instruction, and the Commission for Higher Education and schools conducting vocational and business education programs at the secondary and postsecondary levels. Procedures will include: (1) discussions with vocational educators and counselors on procedures used to develop and present data; (2) data analysis; (3) editing the manuscript; and (4) disseminating the report.

**AR 78 0231**

**Continuation and Expansion of a Research and Development Information System.**
**Project Director:** White, Thomas R.
**Organization:** Indiana Univ., Bloomington. School of Education, Research and Dissemination Service
**Address:** 233 South Jordon, Bloomington, IN 47401
**Descriptors:** *Educational Development, *Educational Research, *Information Dissemination, *Management Information Systems, *Needs Assessment, Newsletters, *Program Development, Research Utilization
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $65,764
**Note:** This project also received $27,752 in agency funds for FY 1978.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 29-78

The purposes of the project are to (1) develop a comprehensive, multifunctional system for acquiring, organizing, storing, and disseminating research and development information which will meet the identified needs of vocational educators in the state; (2) catalog and store reports and products currently available which were produced in or received by the state; and (3) continue to abstract, synthesize, and edit information about selected Indiana research and development efforts into a series of newsletters and technical report publications and to disseminate these products to appropriate state and national target audiences. Procedures will include: (1) conducting a user needs analysis and a systematic analysis and synthesis of the many components of comprehensive, multifunctional information systems, including criteria and methods of selection, acquisition, organization, storage, retrieval, and dissemination; (2) identify topics, (3) select, revise, and edit material; (4) produce eight technical reports and four newsletters; and (5) disseminate products to target audiences.

**AR 78 0232**

**Distributive Education Competency-Based Curriculum Models by Occupational Clusters.**
**Project Director:** Davis, Rodney
**Organization:** Ball State Univ., Muncie, Ind.
**Address:** Muncie, IN 47306
**Descriptors:** Advisory Committees, Bibliographies, *Curriculum Design, *Distributive Education, Educational Resources, Evaluation Criteria, Inservice Teacher Education, Instructional Materials, Learning Activities, *Marketing, *Models, *Occupational Clusters, *Performance Based Education, Program Content, Program Validation
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $22,869
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 60-78

Objectives of the project are to (1) organize and incorporate the existing wealth of distributive education curriculum materials and resources into the three-year program; (2) revalidate the content of the program itself; (3) match appropriate competencies to the revalidated content by occupational cluster/-job title; (4) develop appropriate teaching methodologies/student learning activities for competency development; (5) devise evaluative criteria suitable for determining the degree of competency development; and (6) synthesize products of objectives one through five into curriculum models. Procedures will include: (1) using the Delphi technique to revalidate the content of the existing three-year distributive education program; (2) completing the literature search and review; (3) developing the curriculum model format; (4) constructing the curriculum model format and curriculum models; (5) approving the constructed models via the project advisory committee; (6) preparing for inservice training; and (7) providing inservice training for field testers.

**AR 78 0233**

**Evaluation of Vocational-Technical Education--Phase III, Job 3.**
**Project Director:** Gannon, F. B.
**Organization:** New Educational Directions, Inc., Crawfordsville, Ind.
**Address:** P.O. Box 307, Crawfordsville, IN 47933
**Descriptors:** *Educational Assessment, *Evaluation Methods, *Instructional Programs, *Program Evaluation
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $49,126
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 47-78-III-2

An evaluation system for vocational and technical education in Indiana will be implemented with at least twenty-five institutional assessments being completed during the current year. Funds will be used for paying the honoraria of team leaders and trainers and for reimbursement for approved travel and subsistence of team members implementing the State Board of Vocational Technical Education Instructional Program Assessment Service. Funds will be requested as site visits and workshops are scheduled and participants are identified.

**AR 78 0234**

**Evaluation of Vocational-Technical Education--Phase III, Job 2.**
**Project Director:** Gannon, F. B.
**Organization:** New Educational Directions, Inc., Crawfordsville, Ind.
**Address:** P.O. Box 307, Crawfordsville, IN 47933
**Descriptors:** Cost Effectiveness, Evaluation Criteria, *Evaluation Methods, Instructional Improvement, *Instructional Programs, Postsecondary Education, *Program Development, *Program Evaluation, Secondary Education
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $43,946
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 46-78-III-2

At least twenty-five evaluations will be made of secondary and postsecondary evaluations systems to develop a refined evaluation system whose implementation is efficient and cost effective and whose results will be useful in improving secondary and postsecondary vocational and technical education locally and state-wide. Existing team and team leader lists will be expanded,

and visiting team leader programs will be planned and implemented. Self-studies also will be implemented. A summative evaluation and cost analysis of the system will be submitted, and the system will be revised for the following year.

**AR 78 0235**

**Flexible, Modular Performance-Based Vocational Auto Mechanics Program.**

**Project Director:** Wall, Donald W.
**Organization:** Carmel Clay Schools, Ind.
**Address:** Carmel, IN 46032
**Descriptors:** *Auto Mechanics, Delivery Systems, *Individualized Instruction, *Job Skills, *Learning Modules, *Performance Based Education, Skill Development, Student Evaluation, Task Analysis, *Teaching Skills
**Funding Period:** Start Date 1 Aug 77; End Date 31 Jul 78
**Fiscal Year Funding:** $8,682
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 46-77-III-2

This project will apply and utilize the designed instructional curriculum and activities in a real classroom setting with typical high school students. Among the objectives are to (1) develop the needed teaching styles and skills within each auto mechanics instructor; (2) substantiate the workability of the prepared individual student curriculum module; (3) substantiate that several job specialists can be trained in the same facility during the same time block; (4) demonstrate that students can move through instruction at individual rates; (5) substantiate the effectiveness of the method of evaluation and recording student progress; (6) determine the best use of instructor's time; and (7) determine the instructional cost of an individualized modular performance based auto mechanics program.

**AR 78 0236**

**Improvement of CATV Technology by Implementation of Performance-Based Instruction.**

**Project Director:** Borden, Sam E.
**Organization:** Indiana Vocational Technical Coll. Region VII, Terre Haute
**Address:** R.R. 22 Box 760, Terre Haute, IN 47802
**Descriptors:** *Cable Television, Curriculum Development, *Individualized Instruction, Industry, *Instructional Materials, *Performance Based Education, Postsecondary Education, Skill Development, Student Centered Curriculum, Task Analysis
**Identifiers:** *Open Entry Open Exit
**Funding Period:** Start Date 6 Sep 77; End Date 31 Aug 78
**Fiscal Year Funding:** $58,520
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

This project has three main objectives: (1) to identify the areas (courses) of the cable television curriculum which can offer to the student more than one delivery method; (2) to produce a more competent graduate by implementing performance-based instruction; and (3) to better serve the cable industry manpower needs by implementing performance-based instruction via multi-entry/exit curriculum. Procedures will include analysis and revision of current task list by job titles; developing job competencies by title, evaluating and revising performance objectives; arranging competencies into courses; implementing PBVE; and developing individualized, student centered approach.

**AR 78 0237**

**Indiana Curriculum Materials Center - Vocational Education.**

**Project Director:** Reckerd, Thomas E.
**Organization:** Indiana State Univ., Terre Haute
**Address:** Terre Haute, IN 47809
**Descriptors:** *Delivery Systems, Disadvantaged Youth, Handicapped Students, Information Dissemination, *Information Services, *Instructional Materials, *Instructional Materials Centers, Instructional Media, *Libraries, Library Reference Services, Non English Speaking, Performance Based Education, Reference Materials, *Resource Centers
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $154,207
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 24-78

The purpose of the project is to provide an organized and centralized means of delivering useful vocational education curriculum materials to students and teachers. Procedures will include: (1) cataloging and recording materials and media collected and disseminated at the center; (2) maintaining a current library of materials; (3) submitting transaction, printing, travel, and fiscal reports to SBVTE; (4) developing center information tools; (5) coordinating, producing, and disseminating a curriculum newsletter; and (6) attending IVA and AVA conferences and workshops to promote ICMC activities and continuing awareness of vocational curriculum needs.

**AR 78 0238**

**Local Plan to Develop a Job Placement and Follow-Up System.**

**Project Director:** Hankenhoff, Beverly
**Organization:** New Castle Community School Corp., Ind.
**Address:** 522 Elliott Avenue, New Castle, IN 47362
**Contract and/or Control No.:** 42-78
**Descriptors:** Advisory Committees, Coordinators, Curriculum Design, *Followup Studies, *High School Graduates, Inservice Programs, *Job Placement, Learning Activities, *Manpower Needs, *Material Development, Needs Assessment, *Program Development, Short Courses
**Funding Period:** Start Date 1 Sep 77; End Date 31 Aug 78
**Fiscal Year Funding:** $26,548
**Note:** This project also received $3,710 in agency funds for FY 1978.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

The objectives of this project are to (1) complete a one and three-year followup of approximately 1600 vocational program and regular high school program graduates and dropouts in the New Castle area; (2) assess business and industry placement needs in the area; (3) evaluate existing programs and previous placements; (4) provide a traveling vocational placement coordinator to six participating schools; (5) develop and/or improve appropriate activities and materials; and (6) design mini-courses or units for special placement. Procedures will include: (1) designating a full-time placement coordinator to complete activities; (2) selecting an advisory committee to work with the coordinator; (3) distributing and compiling a survey; (4) contacting employers to determine needs and promote programs; (5) establishing a regular schedule for each school to work with staff, students, counselors, and community; (6) developing mini-units; and (7) constructing a final report.

**AR 78 0239**

**Performance-Based Instructional Materials for Data Processing Occupations.**

**Project Director:** Stumpf, Arthur D.
**Organization:** Indiana Univ., Bloomington
**Address:** Bryan Hall 207, Bloomington, IN 47401
**Descriptors:** Advance Organizers, Associate Degrees, *Autoinstructional Aids, *Computer Assisted Instruction, *Data Processing Occupations, *Individualized Instruction, *Learning Modules, Material Development, Measurement, *Performance Based Education, Postsecondary Education, Program Evaluation, Summative Evaluation
**Funding Period:** Start Date 1 Sep 77; End Date 30 Sep 78
**Fiscal Year Funding:** $66,278
**Note:** Funded under Part D, PL 90-576.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

Two types of individualized, self-study instructional modules will be developed in this project. One type will employ the advance organizer and adjunct autoinstruction techniques; the other type will employ computer-assisted instruction. Both types will cover the job titles and data entry control clerk, junior programmer, and programmer analyst. Effectiveness of the two types of modules on the immediate learning and learning retention of students who vary in ability levels will be ascertained. Modules and reports of their effectiveness will be distributed throughout Indiana and to interested participants of V-TECS. Forty-eight individualized instructional modules will be developed for 140 performance-based, behavioral objectives. The modules will be developed, field tested, revised, and made available to educational institutions wishing to use the modules with or without computer-assisted instruction.

**AR 78 0240**

**Program Evaluation Utilizing Needs Assessment.**

**Project Director:** Jessup, Roger
**Organization:** Mississinewa Community Schools, Gas City, Ind.
**Address:** 424 West Main Street, Gas City, IN 46933
**Descriptors:** Accountability, Consultants, *Data Analysis, *Data Collection, *Educational Planning, Instructional Materials, Material Development, *Needs Assessment, *Program Evaluation, *Project Applications, Secondary Education, Surveys
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $35,280
**Note:** Funded under Part D, PL 90-576.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

Objectives of the project are to (1) develop comprehensive instructional materials for distribution to all eligible recipients which would be used to conduct a needs assessment prior to the initiation of local planning; (2) provide consultative services and technical assistance to eligible recipients for compiling and analyzing collected data; and (3) revise needs assessment procedures as state goals are changed for quality vocational education and accountability.

AR 78 0241

**Project for Vocational Exploration Inservice with Indiana Counselors and Instructors.**

**Project Director:** Dudley, Gerald O.
**Organization:** Penn-Harris-Madison School Corp., Osceola, Ind.
**Address:** P.O. Box 302, Osceola, IN 46561
**Descriptors:** *Career Education, Catalogs, Counselors, *Counselor Training, *Educational Resources, Followup Studies, *Information Dissemination, *Inservice Programs, *Instructional Media, Libraries, Media Selection, *Mobile Educational Services, Projection Equipment, Staff Improvement, Teachers, Teaching Techniques
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $134,322
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 7-78

Objectives of the project are to provide (1) inservice career education staff development; (2) media resource display and dissemination; (3) lending library of media and equipment; and (4) communication of promising practices. Through brochure announcements to educator groups in Northern Indiana, possibilities for workshop presentations in vocational exploration techniques will be secured. A mobile training unit and career education consultants will be used. A staff will be available and a resource catalog will be updated.

AR 78 0242

**Secretarial Job Title Analysis Carriculum Development (Continuation).**

**Project Director:** Semba, Ron
**Organization:** Bartholomew Consolidated School Corp., Columbus, Ind.
**Address:** 2650 Home Avenue, Columbus, IN 47201
**Contract and/or Control No.:** 127-78
**Descriptors:** *Adult Education, Behavioral Objectives, *Business Skills, Community Involvement, Curriculum Development, Data Collection, Instrumentation, Interviews, *Learning Modules, Orientation, *Performance Based Education, Program Development, Remedial Instruction, *Secretaries, Student Centered Curriculum, *Task Analysis
**Identifiers:** Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Nov 77; End Date 15 Jun 78
**Fiscal Year Funding:** $15,000
**Note:** This project also received $1,000 in agency funds for FY 1978.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

The purpose of the project is to contribute to the development of learning modules which link specific performance objectives for the job title of secretary with actual business practices and methods. Procedures will include: (1) soliciting assistance of local businesses; (2) developing an instrument to compile data through interviews of persons actually in the job position; (3) developing a concentrated program for learning remedial modules; (4) including an educator from the adult education program as a participant; (5) developing and using a performance objective chart to gather data; (6) constructing a standard format for the teacher and student-centered modules; and (7) holding an orientation session for school and community personnel to gain their input.

AR 78 0243

**Student Tracking Program for Postsecondary Vocational-Technical Education.**

**Project Director:** Wood, Glenn
**Organization:** Indiana Vocational Technical Coll., Evansville
**Address:** 3501 First Avenue, Evansville, IN 47710
**Descriptors:** Data Analysis, *Dropouts, *Educational Accountability, *Evaluation Methods, *Followup Studies, *Graduate Surveys, Guidance Personnel, Material Development, Postsecondary Education, Questionnaires, *Systems Development
**Funding Period:** Start Date 1 Sep 77; End Date 31 Aug 78
**Fiscal Year Funding:** $23,460
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 53-78

The project's purpose is to promote accountability of instructional and supporting services of the college through observable results of the student's education. Specific objectives are to (1) identify instruments suitable for the project; (2) develop a methodology most suitable to obtain desired information; (3) develop summary and analysis methods; and (4) develop a system of data analysis for most effective use at the local level. Procedures will include: (1) using information and training received by the college staff at a placement seminar; (2) supplementing this information by using available tested instruments of consultant services; (3) using personnel in the counseling and placement offices to share responsibility for project development; and (4) developing questionnaires and forms.

AR 78 0244

**Technical Reading Comprehension Program to Aid Disadvantaged Vocational Students.**

**Project Director:** Hatchett, John T.
**Organization:** Indiana Vocational Technical Coll., Indianapolis
**Address:** 1315 East Washington Street, Indianapolis, IN 46202
**Descriptors:** Business Education, *Disadvantaged Youth, Instructional Materials, *Peer Teaching, Postsecondary Education, *Program Development, Programed Texts, *Programed Tutoring, Reading Improvement, *Remedial Reading Programs, *Tutorial Programs
**Funding Period:** Start Date 6 Sep 77; End Date 30 Nov 78
**Fiscal Year Funding:** $30,020
**Note:** This project was funded under Part D, PL 90-576 and also received $2,640 in local funds for FY 1978.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis

Objectives of this project are to improve performance of students in the business division who have learning difficulties attributable to reading deficiencies and improve the reading comprehension skills of students, especially those skills most closely related to study of technical reading material. Procedures will be to design a peer-tutoring program which will combine study materials directly relevant to the work of business division students with procedures designed to teach reading comprehension skills. This procedure will utilize the systems approach and the program developed will be in the form of programmed texts. Indiana University staff will be contracted with for some of the development work. The product of this project will be a set of teaching materials in the area of business supplemented by a description of procedures for the use of these materials in a peer-tutoring program.

## Curriculum Development (Sec. 133)

AR 78 0245

**Consortia of El-Tip-Wa, Indiana Vocational Technical College (Kokomo), and the Industrial Community to Develop a Local Plan for Performance-Based Vocational Education (PBVE) in Machine Trades.**

**Project Director:** Mitchell, Richard
**Organization:** Logansport Community School Corp., Ind.
**Address:** 2829 George Street, Logansport, IN 46947
**Descriptors:** *Consortia, *Machinery Industry, *Performance Based Education, *School Industry Relationship
**Funding Period:** Start Date 15 Sep 77; End Date 15 Aug 78
**Fiscal Year Funding:** $10,000
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 87-78-III-35

Initial plans for the consortia will be outlined to include general methodology, instrumentation, analysis and data collection techniques, functional schematic with specific dates, and evaluation techniques. Products and processes to be developed by the project and personnel functions will be identified.

AR 78 0246

**Plan for the Development and Implementation of a Performance Based Student Training Program in Health Occupations.**

**Project Director:** Bilger, Phyllis
**Organization:** Garrett-Keyser-Butler Community School District, Garrett, Ind.
**Address:** 801 East Houston Street, Garrett, IN 46738
**Descriptors:** Curriculum Development, Employment Qualifications, Entry Workers, *Health Occupations, Inservice Teacher Education, Job Skills, *Learning Modules, Nursing, *Paraprofessional Personnel, *Performance Based Education, Postsecondary Education, *Program Development
**Identifiers:** Project HOPE, Unlicensed Medication Personnel
**Funding Period:** Start Date 1 Sep 77; End Date 31 Aug 78
**Fiscal Year Funding:** $18,000
**Note:** This project also received $9,439 under Sec. 132 and $1,500 under Sec. 135 for FY 1978.
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 56-78

A training program, patterned after the structure formulated by the performance-based student training component of Project HOPE, will be developed for unlicensed medication paraprofessional personnel in the nursing category of health occupations. Project staff will revise and print eight field-tested modules developed in the third year of Project HOPE; develop, field test, and evaluate instructional objectives, criterion-referenced tests, and resources for twenty two cognitive areas of study for the program; and conduct teacher training sessions on its use. Four tasks of the medication area, above the level of unlicensed medication personnel, but no higher than licensed practical nurse

(LPN) will be analyzed. Instructional objectives, criterion-referenced tests, and resources will be developed, field tested, and evaluated for these tasks. A qualifications profile and a state proficiency examination based on the competencies for beginning level unlicensed medication personnel will be developed. Additional products will be developed that, when added to the performance based student training program, could be incorporated into established postsecondary and adult programs in the nursing category such as LPN and geriatric technician. A final report will be prepared, and products will be disseminated to the State Board of Vocational and Technical Education; HOPE, Inc.; and other groups.

**AR 78 0247**

**Project to Identify Types of Curriculum and Teaching Methodologies Utilized in Selected Vocational Education Programs.**

**Project Director:** Simmons, Ivan V.
**Organization:** Indiana State Univ., Terre Haute. Curriculum Materials Center
**Address:** TAW 200, Terre Haute, IN 47809
**Descriptors:** Adult Education, *Curriculum Research, Interviews, Postsecondary Education, Secondary Education, *State Surveys, *Teaching Methods
**Funding Period:** Start Date 1 Mar 78; End Date 31 Dec 78
**Fiscal Year Funding:** $24,913
**Sponsoring Agency:** Indiana State Board of Vocational and Technical Education, Indianapolis
**Contract and/or Control No.:** 110-78-III-3

The type of curriculum and teaching methods used in selected secondary, postsecondary, and adult vocational education programs in Indiana will be determined through a personal interview survey. Instrumentation, including definitions of terms, will be developed for data collection. The report produced will be based on analysis of the data.

# IOWA

## Research (Sec. 131)

**AR 78 0248**

**Career Education Needs Information System (CENIS)–Cycle III.**
**Organization:** Iowa State Dept. of Public Instruction, Des Moines. Div. of Career Education
**Address:** Grimes Building, Des Moines, IA 50309
**Descriptors:** Employment Projections, *Employment Trends, Information Systems, Labor Market, Labor Supply, *Manpower Needs, *Occupational Information, *Occupational Surveys, Secondary School Students, *State Surveys, *Student Interests, Vocational Followup
**Funding Period:** Start Date 1 Jan 77; End Date 30 Jun 78
**Fiscal Year Funding:** $69,501
**Sponsoring Agency:** Iowa State Dept. of Public Instruction, Des Moines

Cycle III of CENIS will be implemented to continue collecting and reporting data pertaining to the four system components of labor demand, labor supply, student interests, and student outcomes for the 300 occupations included in the system. Approximately 6,000 employers will be interviewed to ascertain current and projected manpower needs for each occupation. Labor supply data will be gathered from career education preparatory programs, Comprehensive Employment and Training Act programs, non-public schools with occupational programs, and private business and industry training programs. A seven percent sample of all Iowa public and non-public eleventh and twelfth grade students will be surveyed on their interests, and data from the vocational student follow-up will be used for the student outcomes component. Results from these four surveys will be summarized to indicate trends in manpower related data for planning and implementing educational priorities.

**AR 78 0249**

**Dissemination of Experience-Based Career Education Curriculum Materials for Mildly Mentally Disabled Students.**
**Project Director:** Larson, Carl
**Organization:** Iowa Central Community Coll., Fort Dodge
**Address:** Fort Dodge, IA
**Descriptors:** *Educable Mentally Handicapped, Educational Programs, Individualized Instruction, *Information Dissemination, *Instructional Materials, *Program Development, Program Evaluation, Teacher Education, *Teaching Procedures, Work Experience Programs
**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 1 Jun 78; End Date 31 May 81
**Fiscal Year Funding:** $7,520
**Sponsoring Agency:** Iowa State Dept. of Public Instruction, Des Moines
**Contract and/or Control No.:** FCS-110

With the assistance of the experience-based career education for the mentally disabled (EBCE-MD) staff of Iowa Central Community College, an individualized system for disseminating EBCE-MD materials and procedures will be provided through area education agencies (AEAs) to give mentally disabled students access to vocational education. All Iowa AEAs will be oriented to the EBCE-MD programn, work experience instructors or coordinators will be trained in the process, and each AEA will develop the capacity to establish the EBCE-MD program. After the program has been implemented in each AEA, it will be evaluated by a third party. Manuals for EBCE-MD training, experience site training, student and staff evaluation, and project reports will be produced.

**AR 78 0250**

**Dissemination of Experienced-Based Career Education (EBCE) Materials for Mildly Mentally Disabled Students.**
**Project Director:** Larson, Carl
**Organization:** Iowa Central Community Coll., Fort Dodge
**Address:** Fort Dodge, IA
**Descriptors:** Career Education, Curriculum Development, Delivery Systems, *Experiential Learning, *Information Dissemination, *Instructional Materials, *Mentally Handicapped, *Program Effectiveness
**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 1 Jun 78; End Date 31 May 81
**Fiscal Year Funding:** $135,578
**Sponsoring Agency:** Iowa State Dept. of Public Instruction, Des Moines
**Contract and/or Control No.:** FCS-110

An individualized system of providing a business and industry concept and base for vocational education experiences for mildly mentally disabled adolescents through area education agencies will be developed. A complete system for the dissemination of EBCE materials for the mentally disabled and procedures will be developed, all Iowa area education agencies will be oriented to the EBCE program, AEA work experience instructors will be trained in EBCE for the mentally disabled, the capability of the AEAs in establishing the program will be developed, and the effectiveness of the program will be demonstrated. An EBCE for mentally disabled adolescents training manual, site training manual, and student and staff evaluation manuals will be produced.

**AR 78 0251**

**Student Questionnaire Data Collection and Analysis for the 1977-78 School Year.**
**Project Director:** Page, Donald
**Organization:** Kirkwood Community Coll., Cedar Rapids, Iowa
**Address:** 6301 Kirkwood Boulevard, S.W., Cedar Rapids, IA 52406
**Descriptors:** *Career Education, *Case Studies (Education), Data Analysis, *Data Collection, *Longitudinal Studies, Postsecondary Education, *Questionnaires, Student Attitudes, *Student Characteristics
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $500
**Sponsoring Agency:** Iowa State Dept. of Public Instruction, Des Moines. Career Education Div.

The purpose of the project is to allow instructors to better understand the characteristics of the students they serve. A longitudinal study of the changes in student characteristics will also provide useful information on the statewide and individual institutional basis. Nearly 18,000 career education students will be involved in the study, which will involve student-questionnaire data collection and analysis.

## Exemplary and Innovative (Sec. 132)

**AR 78 0252**

**Career Curriculum in Industrial Arts.**
**Project Director:** Berryhill, Harold
**Organization:** Iowa State Dept. of Public Instruction, Des Moines. Div. of Career Education
**Address:** Grimes State Office Building, Des Moines, IA 50319
**Descriptors:** *Career Education, *Curriculum Evaluation, *Educational Strategies, *Field Studies, Graphic Arts, *Industrial Arts, *Inservice Teacher Education, Integrated Curriculum, Power Mechanics, Production Technicians
**Funding Period:** Start Date 12 Mar 78; End Date 30 Jun 79
**Fiscal Year Funding:** $30,000
**Sponsoring Agency:** Iowa State Dept. of Public Instruction, Des Moines

Tested curriculum in the cluster area of graphic communications, energy and power, and production will be delivered by this project. Project objectives are to field test the restructuring of industrial arts curriculum for the three cluster areas as presented in the new industrial arts guide and demonstrate direction and strategies for implementing innovative industrial technology and career education concepts. Nine instructors of beginning-level industrial arts programs who were involved in developing the curriculum materials will be selected to receive inservice training on utilizing materials and collecting data. Onsite visitations will be made and validated demonstration sites will be set up. The strategies, materials, and guidelines developed will be transportable.

## Curriculum Development (Sec. 133)

**AR 78 0253**

**Career Curriculum in Industrial Arts.**
**Project Director:** Berryhill, Harold

**Organization:** Iowa State Dept. of Public Instruction, Des Moines. Career Education Div.
**Address:** Grimes State Office Building, Des Moines, IA 50319
**Descriptors:** Career Education, Curriculum Development, *Curriculum Evaluation, *Curriculum Guides, Energy, Graphic Arts, *Industrial Arts, Industrial Technology, *Occupational Clusters
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 79
**Fiscal Year Funding:** $30,000 (Charged to FY 1977)
**Note:** This project also received $30,000 in local funds for FY 1977.
**Sponsoring Agency:** Iowa State Dept. of Public Instruction, Des Moines

The restructuring of industrial arts curriculum for the graphic communications, energy and power, and production cluster areas as presented in the new industrial arts guide will be tested in a least nine beginning level programs. Needed refinement in the course guides will be determined. Through demonstration sites, direction and expertise will be provided to other schools for implementing industrial technology and career education concepts included in the new industrial arts curriculum guide. The state consultant, cadre, and institute leaders will collect and review curriculum implementation data and pretest and posttest data as recorded by each project teacher. A third party evaluation will be conducted by the planning, research, and evaluation section.

# KANSAS

## Research (Sec. 131)

**AR 78 0254**

**Kansas Business and Industries Perception of Vocational Education.**

**Project Director:** Green, Gary
**Organization:** Kansas State Univ., Manhattan. Dept. of Adult and Occupational Education
**Address:** Manhattan, KS 66506
**Descriptors:** Data Analysis, Data Collection, *Employer Attitudes, Employment Opportunities, *Employment Patterns, Graduates, Job Skills, Program Improvement, Program Planning, *Questionnaires, *School Industry Relationship
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $1,065
**Sponsoring Agency:** Kansas State Dept. of Education, Topeka
**Contract and/or Control No.:** 78-131-01

A survey questionnaire will be mailed to business and industry persons to determine if business and industry (1) has a positive or negative attitude toward vocational education, (2) is involved with and cooperating with vocational education, (3) is actively recruiting and hiring vocational education program completers, and (4) feels that vocational education program completers have the desired skills and knowledge to be successful on the job. Results of the questionnaire will be tabulated. Recommendations, suggestions, and conclusions drawn from the data will enable vocational administrators to improve and expand vocational education programs within the state as well as suggest ways of developing better public relations, communications, and cooperation between vocational education and business and industry.

**AR 78 0255**

**Matching Unemployment Data with Manpower Needs Data in Southeastern Kansas.**

**Project Director:** DeMoss, David
**Organization:** Southeast Kansas Regional Education Service Center, Girard
**Address:** Girard, KS 66743
**Descriptors:** Area Vocational Schools, Community Colleges, Data Collection, *Employment Opportunities, *Labor Supply, *Manpower Needs, Postsecondary Education, Secondary Education, *Unemployment
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $31,428
**Sponsoring Agency:** Kansas State Dept. of Education, Topeka.
**Contract and/or Control No.:** 78-131-04

A procedure for relating potential job openings with prospective employees will be developed by collecting data from the records of area vocational schools, community colleges, and secondary schools; by correlating the number of persons needed and identifying the number of persons employed for each occupation; and by developing a process for relating potential job openings by location to prospective employees enrolled in the occupational curricula of schools. One copy of the data will be printed and one slide presentation will be prepared.

**AR 78 0256**

**Minimum Work Behavioral Expectations (Nursing).**

**Project Director:** Scott, Robert E.
**Organization:** Kansas State Univ., Manhattan. Dept. of Adult and Occupational Education
**Address:** Manhattan, KS 66506
**Descriptors:** Data Analysis, Data Collection, Employers, *Job Skills, Measurement Instruments, *Nurses, *Questionnaires, Summative Evaluation, *Task Performance
**Funding Period:** Start Date 15 Sep 77; End Date 31 May 78
**Fiscal Year Funding:** $1,296
**Note:** This project also received $346 under local funds for FY 1978.
**Sponsoring Agency:** Kansas State Dept. of Education, Topeka
**Contract and/or Control No.:** 78-131-02

The minimum work behaviors expected of licensed practical nurses or graduates of Kansas associate degree nursing programs receiving state and federal vocational education funds will be determined and validated. Three separate instruments (one each for nursing educators, postgraduates, and current employers) will be developed, pilot tested, and analyzed. Although the bulk of questionnaires will be administered through the mail, some will be administered in personal interviews. Approximately 200 discrete expectations and activities will comprise the questionnaire. The project will assist in facilitating curriculum development and a possible state-wide cooperative plan among educational providers in nursing service.

**AR 78 0257**

**Occupational Survey of Vocational Level Job Demand.**

**Project Director:** Ward, Gary
**Organization:** Pittsburg State Univ., Kans.
**Address:** Pittsburg, KS 66762
**Descriptors:** Data Analysis, Data Collection, Educational Programs, *Job Training, *Labor Supply, *Manpower Needs, Migration Patterns, *Needs Assessment, *Occupational Surveys
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $12,725
**Note:** This project also received $3,170 under local funds for FY 1978.
**Sponsoring Agency:** Kansas State Dept. of Education, Topeka
**Contract and/or Control No.:** 78-131-03

Information will be obtained on the specific job demand and the potential supply of trained workers in southeast Kansas so that a list of high-demand training programs which could be instituted by local educational agencies (LEAs) can be generated. The project will be conducted in three phases. In phase I, address lists will be updated, employers will be identified, survey instruments will be transcribed, the survey will be completed, new data will be integrated, and projections will be made for 1980; in phase II, sources of supply will be identified, secondary-level data will be validated, and migration patterns will be validated. In phase III, a listing of 1,660 vocational-level jobs will be established and a nine-county area report will be completed and disseminated to LEAs and state leaders.

**AR 78 0258**

**State Plan Development.**

**Project Director:** Severence, Bob
**Organization:** North Central Kansas Area Vocational-Technical School, Beloit
**Address:** Beloit, KS 67420
**Descriptors:** Committees, *Planning Meetings, *Program Development, *State Programs
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $1,010
**Sponsoring Agency:** Kansas State Dept. of Education, Topeka
**Contract and/or Control No.:** 78-131-06

A planning committee will meet in three sessions to contribute input necessary to revise, update, and develop both the one-year and the five-year state plans for vocational education.

**AR 78 0259**

**Validation of and Evaluative Procedures for Standards for Quality Vocational Education Programs.**

**Project Director:** Field, Ralph
**Organization:** Kansas State Univ., Manhattan. Dept. of Adult and Occupational Education.
**Address:** Manhattan, KS 66506
**Descriptors:** Agribusiness, Agricultural Education, Educational Needs, *Educational Quality, *Evaluation Methods, *Instructional Programs, Instrumentation, *Material Development, *Program Evaluation
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $8,713
**Note:** This project also received $2,826 in local funds for FY 1978.
**Sponsoring Agency:** Kansas State Dept. of Education, Topeka.
**Contract and/or Control No.:** 78-131-05

An instrument and procedures will be developed which could be used to evaluate local vocational education programs. Specific objectives are to validate or modify standards for quality vocational education programs, develop instrumentation and procedures for evaluating local programs based on identified and validated standards, and validate or modify the standards for quality vocational programs in agribusiness and agricultural education. A jury of experts will be used to validate a set of factors to be considered in establishing standards for quality vocational education programs.

AR 78 0260

**Vocational Industrial Needs Assessment Study for Unified School District #57.**
**Project Director:** Stones, Charles O.
**Organization:** Unified School District 457, Garden City, Kans.
**Address:** Garden City, KS 67846
**Descriptors:** Community Leaders, *Community Surveys, *Data Collection, Educational Programs, *High School Students, *Needs Assessment, Parents, *Program Development, Questionnaires, *School Industry Relationship
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $2,325
**Note:** This project also received $2,325 under local funds for FY 1978.
**Sponsoring Agency:** Kansas State Dept. of Education, Topeka
**Contract and/or Control No.:** 78-131-07

A community-wide vocational needs assessment will be conducted to obtain documented proof of the need to develop, implement, or revise the vocational programs of Unified School District #457 to accommodate the needs of area industry. Procedures will be to develop the objectives presently used by the district staff; conduct a personal interview survey of twenty-five community leaders to obtain information needed to develop the questionnaire, prepare the questionnaire for all senior students and 200 randomly selected parents; and prepare a final written summary of the results of the questionnaire and report these results to the committee, the board of education, and the district members.

## Exemplary and Innovative (Sec. 132)

AR 78 0261

**Activity-Based Curriculum.**
**Project Director:** Runft, L. Howard
**Organization:** Wichita Public Schools, Kans.
**Address:** Wichita, KS 67211
**Descriptors:** *Daily Living Skills, Elementary Education, *Experiential Learning, *Home Economics, *Industrial Arts, *Learning Activities, Nondiscriminatory Education, *Object Manipulation, Technology
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $49,500
**Sponsoring Agency:** Kansas State Dept. of Education, Topeka
**Contract and/or Control No.:** 78-132-05

Project staff will develop and help present home economics and industrial arts activities based on academic concepts which elementary teachers have identified for enhancement. The hands-on activities will provide elementary students actual experiences with technology and living skills so they will be better qualified and more likely to select exploratory and specialized courses in industrial arts, home economics, and trade and industrial education at the junior and senior high school levels.

AR 78 0262

**Career Development Program for the Central Kansas Area.**
**Project Director:** Brooks, Dale
**Organization:** Central Kansas Area Vocational-Technical School, Newton
**Address:** Newton, KS 67114
**Descriptors:** Career Choice, Career Education, *Career Exploration, *Decision Making Skills, Field Studies, Grade 9, Grade 10, *Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Learning Modules, *Mobile Educational Services, Program Evaluation, Secondary Schools, Teaching Procedures
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $15,000
**Note:** This project also received $15,000 in local funds for FY 1978.
**Sponsoring Agency:** Kansas State Dept. of Education, Topeka
**Contract and/or Control No.:** 78-132-04

To increase career education curriculum development and dissemination, increase the overall awareness of the benefits of career education, promote adoption of a comprehensive career education approach in the central Kansas area, and increase teacher knowledge and awareness of occupational alternatives, project staff will (1) develop instructional procedures for use in grades 9 and 10 to assist students in developing occupational decision-making skills, (2) field test these modules in a minimum of four sites to determine suitability, (3) provide inservice workshop opportunities for teachers and counselors on career education implementation strategies, and (4) provide a career van to make weekly visits to all participating districts to pick up and deliver career-related materials. The set of tested career modules will be available to Kansas educators for ninth and tenth grade classrooms to aid in career decision making.

AR 78 0263

**Career Exploration Program.**
**Project Director:** Martin, Betty
**Organization:** Liberal Area Vocational-Technical School, Kans.
**Address:** Liberal, KS 67901
**Descriptors:** *Career Education, *Educational Opportunities, *Information Dissemination, *Inservice Teacher Education, *Instructional Materials, *Mobile Educational Services
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $5,000
**Note:** This project also received $11,400 in local funds for FY 1978
**Sponsoring Agency:** Kansas State Dept. of Education, Topeka
**Contract and/or Control No.:** 78-132-03

Project staff will provide students with information and experiences which will encourage them to assess their own abilities, interests, and attitudes and to develop good self-images. Career materials and teacher inservice programs will be provided, and a van will be used to rotate the materials between the schools of Liberal and six schools in the surrounding areas.

## Curriculum Development (Sec. 133)

AR 78 0264

**Cores I and IV Production Agriculture.**
**Project Director:** Severence, Robert
**Organization:** North Central Kansas Area Vocational-Technical School, Beloit
**Address:** Beloit, KS 67420
**Descriptors:** *Agricultural Production, *Core Curriculum, Course Content, Curriculum Development, Information Dissemination, *Instructional Materials, Postsecondary Education, Secondary Education, Seminars, *Teaching Methods
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $18,072
**Sponsoring Agency:** Kansas State Dept. of Education, Topeka
**Contract and/or Control No.:** 78-133-07

Cores I and IV of a secondary-level, four-year course in production agriculture will be reviewed, revised, printed, and disseminated to all vocational agriculture departments in Kansas to provide standardized instructional materials for at least sixty percent of the 360 hours of required course content in this area. Seminars will be provided to all secondary and postsecondary instructors to assist them in teaching methods.

AR 78 0265

**Development of Curriculum and Instructional Materials for Young Farmer Chapters.**
**Project Director:** Welton, Richard
**Organization:** Kansas State Univ., Manhattan. Dept. of Adult and Occupational Education
**Address:** Manhatten, KS 66506
**Descriptors:** *Agricultural Education, Curriculum Development, *Instructional Materials, *Needs Assessment, *Young Farmer Education
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $2,500
**Note:** This project also received $759 in local funds for FY 1978.
**Sponsoring Agency:** Kansas State Dept. of Education, Topeka
**Contract and/or Control No.:** 78-133-03

A needs assessment will be conducted to survey and analyze the curriculum and instructional material needs of young farmer chapters. A steering committee will review, revise, and provide final recommendations for developing curriculum and instructional materials.

AR 78 0266

**Kansas Vocational-Technical Food Service Supervision Program.**
**Project Director:** Comfort, Carolyn
**Organization:** Wichita Area Vocational-Technical School, Kans.
**Address:** Wichita, KS 67211
**Descriptors:** Behavioral Objectives, Curriculum Development, *Food Service, Inservice Programs, Instructional Materials, *Material Development, *Program Development, Program Evaluation, *Supervision
**Identifiers:** *Dietetic Assistants
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $5,270
**Sponsoring Agency:** Kansas State Dept. of Education, Topeka
**Contract and/or Control No.:** 78-133-06

The project will enable Kansas vocational-technical schools to offer a standardized food service supervision course approved by the American Dietetic Association and the Kansas department of health and to provide an opportunity to adapt the program to four new locations. Assistance will be provided

in assessing, planning, implementing, and evaluating the program. A two and one-half day inservice meeting will be held for local coordinators of present and proposed programs. Informational and training materials for the dietetic assistant programs, as well as written statements of program philosophy, goals, and behavioral objectives for classroom and field experience, will be developed.

# KENTUCKY

## Research (Sec. 131)

**AR 78 0267**

**Analysis of Sex-Role Stereotyping and Sex Bias in Secondary Vocational Education in Kentucky.**
**Project Director:** Davis, Hazel C.; Ehresman, Norman D.
**Organization:** Western Kentucky Univ., Bowling Green
**Address:** Bowling Green, KY 42101
**Descriptors:** *Bibliographies, *Enrollment Influences, *Program Evaluation, Secondary Education, *Sex Discrimination, *Sex Stereotypes
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 79
**Fiscal Year Funding:** $27,659
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort
**Contract and/or Control No.:** D98812

The results of this project will consist of recommendations for a model to aid in the elimination of sex bias and a comprehensive bibliography of vocational education materials. Instruments to analyze the extent to which sex bias exists in Kentucky secondary vocational schools will be developed, field tested, and then admininstered to the target population. Mailed questionnaires and personal interviews will be used to identify and determine the effect of such factors as socioeconomic status, attitudes, and culture of the geographic area and identify the problems and barriers that encourage or discourage students to enroll in non-traditional vocational programs.

**AR 78 0268**

**Competency-Based Planning Activities.**
**Project Director:** Poling, Junior
**Organization:** Fivco Vocational Education Region, Ashland, Ky.
**Address:** Box 1330, Ashland, KY 41101
**Descriptors:** Audiovisual Aids, Inservice Education, *Learning Modules, *Material Development, *Performance Based Education, *Planning, *Program Evaluation, *Regional Planning, Summative Evaluation
**Funding Period:** Start Date 3 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $750 (Charged to FY 1977)
**Sponsoring Agency:** Kentucky State Dept. of Educ., Frankfort
**Contract and/or Control No.:** K00810 (4448)

Objectives are to (1) assess the possibilities of using the Competency-Based Vocational Education (CBVE) techniques in the administrative planning process; (2) develop and field test the CBVE planning materials within the regional operation; and (3) evaluate the implementation process and its effectiveness in delivering a more adequate and efficient job of planning. The regional staff with the assistance of the Bureau of Vocational Education's competency-based, program development and curriculum development personnel will identify and develop the slides, tapes, and modules related to the planning process. Vocational staff members will conduct planning workshops in the region and evaluate the effectiveness of this approach to the planning process. Three modules on the planning activities will be delivered.

**AR 78 0269**

**Development of a System to Assess Curriculum Needs in the Occupational Clusters of Agriculture and Mining.**
**Project Director:** Briscoe, Melissa S.
**Organization:** CBVE Unit, Frankfort, Ky. Bureau of Vocational Education
**Address:** Frankfort, KY 40601
**Descriptors:** *Agricultural Occupations, Catalogs, Curriculum Development, *Curriculum Evaluation, *Curriculum Guides, Educational Resources, Guidelines, Information Utilization, Instructional Materials, *Needs Assessment, Occupational Clusters, *Occupational Information, Research Utilization
**Identifiers:** *Coal Mining, Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Jun 78; End Date 31 Dec 78
**Fiscal Year Funding:** $39,050
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort
**Contract and/or Control No.:** X99810 (4448)

The project will (1) acquire, review, disseminate, and assess at least four V-TECS catalogs of performance objectives for utilization in Kentucky vocational programs and (2) identify and validate specific and related job titles for two occupational clusters (Mining Occupations and Agriculture) utilizing incumbent workers or other individuals with technical expertise. Catalogs of objectives from V-TECS will be reviewed and sequenced into a teaching/learning plan by teachers and co-directors under the direction of the project director. Inservice training activities relating to catalog utilization will be conducted. Under the direction of a project director, an advisory committee of business and industry people will review current data on job titles toward the eventual development of a comprehensive and valid matrix of job titles. When possible, the appropriate DOT category, USOE code number, and manpower data and program data will be included for each job title in order that priority areas for future task analysis and curriculum needs can be identified. Products to be delivered include: (1) report(s) of job titles by sub-clusters, category, and specific job titles for both mining and agriculture; (2) a list of procedures and forms for additional cluster matrix development; and (3) copies of V-TECS catalogs.

**AR 78 0270**

**Dissemination and Diffusion Program in Kentucky Vocational Education.**
**Project Director:** Kennedy, Elsie
**Organization:** Kentucky State Dept. of Education, Frankfort. Bureau of Vocational Education
**Address:** Frankfort, KY 40601
**Descriptors:** Educational Innovation, *Educational Research, *Information Dissemination, Information Services, Information Systems, Program Development, Research Reviews (Publications), Secondary Education, Workshops
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 79
**Fiscal Year Funding:** $31,050
**Note:** This project also received $16,000 under Sec. 132 for FY 1978.
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort
**Contract and/or Control No.:** X99811-4448, X99883-4406

The dissemination and diffusion of vocational education research and development efforts will be facilitated as a result of this project. Project objectives are to (1) provide assistance to facilitate dissemination activities and upgrade the dissemination capability in Kentucky, (2) continue INNOVATE, a document notification and availability system, (3) develop TEMPO, a vocational information diffusion journal, at least three times annually, (4) develop and conduct at least one workshop on a topic related to funded research and development program activities, (5) coordinate the dissemination of information relevant to vocational education products and practices, and (6) administer a pilot sites program and a demonstration sites program that will identify innovative programs. Each effort will involve pre-planning for dissemination or implementation features and each effort will be shared with other individuals. In addition to TEMPO and INNOVATE, a handbook on pilot and demonstration sites and a slide on developing a dissemination plan will be developed.

**AR 78 0271**

**Field Testing Individualized, Competency-Based Modules for Alterationist II at the Adult Level.**
**Project Director:** Kizer, Janey; Myers, Marlene
**Organization:** Home Economics Education Unit, Lexington, Ky.
**Address:** 701 East Main Street, Lexington KY 40502
**Descriptors:** Adult Education, Curriculum Development, *Curriculum Evaluation, Educational Programs, *Field Studies, Home Economics Education, *Individualized Instruction, Job Skills, *Learning Modules, *Performance Based Education, *Seamstresses
**Funding Period:** Start Date 15 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $3,720 (Charged to FY 1977)
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort
**Contract and/or Control No.:** V24810 (4448)

The project will (1) field test 74 modules for Alterationist II; (2) revise 74 modules for Alterationist II; and (3) evaluate the effectiveness of individualized competency-based modules used by adults. Fayette County Adult Division has been selected as one of the two field test sites for testing the last 74 of the 156 alterationist competency-based modules at the adult level. The modules will be field tested to determine the effectiveness of competency-based, individualized modules with adults. The field test teacher will revise the modules as the modules are completed by the students and as problems are identified. The project director will approve final revision of the modules. Copies of Revised Alterationist II modules will be delivered.

AR 78 0272

**Mining Careers and Safety Program.**
**Project Director:** Rowland, Mildred R.
**Organization:** Harlan County Board of Education, Harlan, Ky.
**Address:** Drawer C, Harlan, KY 40831
**Descriptors:** *Certification, Curriculum Design, Curriculum Development, *Curriculum Evaluation, *Lesson Plans, Material Development, Performance Tests, Program Development, Program Evaluation, Program Planning, *Safety Education, Semiskilled Occupations, Senior High Schools, *Teaching Methods
**Identifiers:** *Coal Mining
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 79
**Fiscal Year Funding:** $13,702
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort
**Contract and/or Control No.:** N24810 (4448)

This project will field test mining instructional techniques, curriculum materials, and delivery of mine safety training to senior high school students for preservice certification. The instructional techniques and curriculum materials will be adapted from MESA adult training programs in Kentucky. Students will be evaluated through the federal and state regulations and certification program (MESA and State Department of Mines and Minerals). Phase One (February 1, 1978 to June 30, 1978) will include planning and program development. Phase Two (July 1, 1978 to June 30, 1979) will involve curriculum adaptation to the program and implementation of the training program. The curriculum design will include 175 days of instruction covering general and technical aspects of mining process and safety. Both written and hands-on performance tests will be administered. Evaluation will be based on tests data and on an evaluation team effort as described within the proposal. Program documents including curriculum scope and sequence and lesson plans will be delivered.

## Exemplary and Innovative (Sec. 132)

AR 78 0273

**Develop Individualized Competency-Based Modules for Employability Skills for Vocational Students.**
**Project Director:** Keeton, Martha
**Organization:** Curriculum Development Center of Kentucky, Lexington
**Address:** Lexington, KY
**Descriptors:** Curriculum Development, Decision Making Skills, *Employer Attitudes, *Employment Potential, *Individualized Curriculum, *Learning Modules, *Performance Based Education, Personal Adjustment, Secondary Education, Vocational Adjustment
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 79
**Fiscal Year Funding:** $14,080
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort
**Contract and/or Control No.:** V28881 (4406)

This project will develop, field test, and revise individualized student modules which will provide employability skills for vocational education students. Component modules include the decision-making process, getting a job, maintaining the job, employer expectations, work attitudes, and economics of industry. Module development will follow the guidelines established in the handbook for development of modules and in the management of module development. Field testing of modules will be coordinated with the regional placement project. Twenty competency-based vocational education modules on employability skills will be produced.

AR 78 0274

**Developing Teacher Competencies in Working with Handicapped Students.**
**Project Director:** Bayne, Keith
**Organization:** Louisville Univ., Ky.
**Address:** Louisville, KY
**Descriptors:** Delivery Systems, *Handicapped Students, *Mainstreaming, Secondary Education, Surveys, *Task Analysis, *Teaching Skills, *Vocational Education Teachers
**Funding Period:** Start Date 3 Apr 78; End Date 30 Jun 79
**Fiscal Year Funding:** $21,378
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort
**Contract and/or Control No.:** 4406-H28880; 4448-H28812

This effort is intended to identify the competencies needed by teachers to deal with handicapped students who are being mainstreamed into regular vocational programs and to identify, modify, or develop the strategies needed to develop the identified competences in teachers. A model delivery system will be developed by reviewing the literature to determine the state of the art, using a panel to prioritize the identified competencies, conducting a self-evaluation to determine training needs, and conducting a survey of existing delivery systems. Three seminars will be held for dissemination purposes.

AR 78 0275

**Employer-Based Automotive Training Program in Central Kentucky.**
**Project Director:** Morgan, Art
**Organization:** Central Kentucky State Vocational Technical School, Lexington
**Address:** 100 Vocational-Technical Road, Lexington, KY 40511
**Descriptors:** *Auto Mechanics, *Cooperative Programs, Course Evaluation, *Curriculum Planning, Experiential Learning, *School Industry Relationship, *Work Experience Programs
**Funding Period:** Start Date 1 Sep 77; End Date 31 Aug 78
**Fiscal Year Funding:** $24,183 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort

This project will develop an automotive training format between an employer and a vocational school. The project will concentrate on developing curriculum format that will train a student to excel in auto mechanics. Procedures will use shop experience and classroom instruction plus special training at General Motors to support each major course division. Evaluation of the course effectiveness and the employer/vocational school participation will also take place.

AR 78 0276

**Industrial Education Program Improvement Project.**
**Project Director:** Bruce, Herbert
**Organization:** Kentucky Univ., Lexington. Dept. of Vocational Education
**Address:** Lexington, KY 40506
**Descriptors:** *Appliance Repairing, *Auto Mechanics (Occupation), *Industrial Education, Program Design, *Program Development, Resource Materials, School Shops, *Task Analysis, *Teacher Workshops
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $16,750
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort
**Contract and/or Control No.:** V28880 (4406)

Improvement of programs through the development of minimum uniform quality standards will be achieved through meeting the following objectives: (1) develop a task list in Diesel Mechanics and Appliance Repair; (2) educationally sequence the identified tasks; (3) develop a recommended shop layout in the project areas; (4) develop a recommended equipment list for the project areas; (5) provide inservice training for project implementation; (6) provide followup supervision; (7) collect current materials, practices, and procedures for additional Industrial Education areas; and (8) use activities toward the elimination of sex bias and sex role stereotyping. These objectives will be addressed through a series of workshops which will provide for instructor input and involve craft members and industrial personnel in the instructor's local community. Workshop types will be: (1) orientation; (2) instructional block; (3) task and sequencing workshop; and (4) inservice. Communications will be achieved through the use of a steering committee: BVE/I.E./CDC units, project director, Teacher Educators, and local administration. Products to be delivered will include sequenced task lists in Diesel Mechanics and Appliance Repair Programs, recommended equipment list and model shop layout, workshop programs, and a procedure for Industrial Education Program Improvement efforts.

AR 78 0277

**Limited English-Speaking Program in Kentucky: An Assessment of Needs, Programs, and Instructional Resources.**
**Project Director:** Adams, Susan B.
**Organization:** Western Kentucky Univ., Bowling Green. Center for Career and Vocational Teacher Education
**Address:** Bowling Green, KY 42101
**Descriptors:** Bibliographies, Demography, Educational Needs, *Educational Resources, Educational Status Comparison, *English (Second Language), Instructional Materials, *Language Programs, Material Development, *Needs Assessment, Postsecondary Education, *Program Design, Program Evaluation, *Resource Materials, Workshops
**Funding Period:** Start Date 5 Jan 78; End Date 30 Sep 78
**Fiscal Year Funding:** $18,000
**Note:** This project also received $4,440 from Western Kentucky University for FY 1978.
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort
**Contract and/or Control No.:** D98B81 (4407)

The primary objective of this study will be to provide empirical data regarding Limited English-Speaking (LE-S) programs and needs in the state. Subobjectives include: (1) identify areas of LE-S population in Kentucky; (2) compile and report demographic data on population concentrations; (3) identify and describe current LE-S programs in Kentucky; (4) compile a comprehensive bibliography and description of related materials; (5) identify regional needs; (6) identify and describe other services available for LE-S persons; (7) identify and describe present national programs and efforts; (8) conceptualize a vocational education program for LE-S persons based on identified needs; (9) identify and recommend LE-S vocational education materials for field

testing in Kentucky; and (10) conduct workshop (July 1978) on LE-S program for interested persons. The program and project staff will collect data through a survey to all school districts, all state adult and community education programs, community colleges, and vocational-technical schools, and other social services and related fields and agencies. Also, telephone followup and site visits will be scheduled. The data will then be compiled, analyzed, and reported through basic descriptive methods. Recommendations for implementing LE-S programs in Kentucky will be given. Project staff will host a workshop for individuals interested in LE-S vocational education programs and general LE-S persons needs. A bibliography document on available materials will be compiled.

**AR 78 0278**

**Model Office Program with an Interchange of Work between Two Separate Model Office Classes within the Same School.**

**Project Director:** Kazee, Naomi W.; Waggoner, Roberta
**Organization:** Boyd County High School, Ky.
**Descriptors:** *Experiential Learning, *Laboratory Training, *Office Occupations Education, Secondary Education, Simulated Environment
**Funding Period:** Start Date 19 Jun 78; End Date 30 Jun 79
**Fiscal Year Funding:** $5,766
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort
**Contract and/or Control No.:** K04880 (4406)

Two separate model office classes will be set up to provide students with a laboratory which offers realistic training in office practices and procedures. The two classes will operate in different time frames using the same space and equipment but will have a direct interchange of work and communication. This will enable students to (1) develop a more responsible attitude toward their work and improve its quality and accuracy because it will be used and criticized by their peers as well as their instructor, and (2) perform better in gainful employment because they will learn to cope with and correct mistakes, to accept criticism from supervisors and fellow employers, and to understand that work must be correct either as an input or as an output. A twelve-week training program will proceed the flow-of-work activities, developed through the functions of buying and selling to and from each other, and will include training in office and business machines. The work will be administered in cycles so that all students will have the experience of closing their books and correcting all errors, after which will rotate to another position. No predetermined solutions will exist, but each "company" will demand accuracy and performance from the other. Products to be produced include a teacher's handbook, a student's handbook, and necessary business forms.

**AR 78 0279**

**Model to Facilitate Accountability Activities.**

**Project Director:** Tipton, Bettie
**Organization:** Kentucky State Dept. of Education, Frankfort. Bureau of Vocational Education
**Address:** Capital Plaza Tower, Frankfort, KY 40601
**Descriptors:** *Educational Accountability, *Educational Assessment, *Educational Quality, *Guidelines, *Inservice Teacher Education, Program Effectiveness, *Program Evaluation, Program Planning, Relevance (Education)
**Funding Period:** Start Date 15 Apr 78; End Date 30 Sep 78
**Fiscal Year Funding:** $12,000
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort. Bureau of Vocational Education
**Contract and/or Control No.:** X99884 (4406)

Objectives of this project are to (1) develop a guide for accountability for use by vocational educators; (2) use the accountability indicators as components in the evaluation system for vocational education; and (3) field test and conduct inservice workshops prior to June 30, 1978, for a representation of local, regional, and state vocational educators to facilitate accountability activities. Procedures will include developing a guide for accountability and conducting workshops over the state for a representative group of vocational educators at the local, regional, and state levels. Practical experiences in the use of enrollments, completion, leavers, placement, and followups, work force needs, and student achievement for program planning and program improvement will be provided to the participants. The participants will be asked to teach their peers in a staff meeting how to use accountability indicators. The products to be delivered will be a handbook (sex fair) on accountability.

**AR 78 0280**

**Placement and Follow-Up Model.**

**Project Director:** Gary, Robert
**Organization:** Western Kentucky Univ., Bowling Green. Coll. of Education
**Address:** Room 129, Bowling Green, KY 42101
**Descriptors:** *Followup Studies, *Information Dissemination, *Inservice Teacher Education, *Job Placement, *Management Systems, *Program Development
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $48,579 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort

This project intends to establish effective placement, followup, and management systems adaptable to local school, regional, or statewide use by the end of the second field test year in six satellite region test sites. Procedures will be to (1) plan, evaluate, develop, and implement both inservice activities to facilitate the expanded field test of the project and initial placement service; (2) publish and disseminate information regarding the system to the appropriate target population; and (3) expand the system to include all high schools and state operated vocational schools in region four and try out revised placement and followup forms, questionnaires, records, etc.

**AR 78 0281**

**Residential-Based Vocational Education for Rural Districts.**

**Project Director:** Patrick, Don
**Organization:** Montgomery County Board of Education, Mt. Sterling, Ky.
**Address:** Levee Road, Mt. Sterling, KY 40353
**Descriptors:** *Career Education, *Disadvantaged Youth, *Family Counseling, *Home Instruction, Home Programs, Job Placement, Needs Assessment, Occupational Aspiration, *Outreach Programs, *Rural Youth, Skill Development, Vocational Counseling, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $22,727 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort

This project intends to develop and field test a modified rural residential based vocational education program to serve disadvantaged learners and their families. It also will develop vocational needs assessment for the community and write and field test a plan to coordinate and administer a vocational program that integrates extensive vocational and family counseling services into the experiences of the learner. Procedures will be to focus on the following topics as they relate to learner and family: awareness, exploration, preparation and work experiences; economics of industry, work attitudes; placement, employability, and basic skills development; labor market review and vocational counseling; adult education and rehabilitation; determination of vocational competencies; family goal setting; alcoholism and drug addiction; medical, economic, housing, and transportation problems; cultural and recreational needs; and legal aid.

**AR 78 0282**

**Rowan County Experiential Field Consortium for Selective Vocational Programs.**

**Project Director:** Fannin, Jeanette
**Organization:** Rowan County School System, Morehead, Ky.
**Address:** 118 University Boulevard, Morehead, KY 40351
**Descriptors:** *Academic Education, *Community Resources, *Consortia, *Dropout Prevention, Dropout Rate, *Experiential Learning, Learning Activities, *Relevance (Education), Secondary Education, Student Evaluation, Student Grouping, Student Motivation, Student Participation, Student Placement
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $24,658 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort

This project intends to increase the relevance of students' academic preparation to the work world so that transition will be less frustrating and the high school dropout rate lower. Procedures will involve existing agencies, institutions, and a wide range of community resources and will include an organizational phase in July and August during which staff will be trained, students contacted, field trips planned, and orientation material written. Implementation during the 1977-78 school year will include: (1) inservice training at the beginning of the year; (2) grouping the students; (3) initial student testing; (4) planning learning activities with students; (5) setting up a "Big Brother" program with students from Morehead State University with similar vocational fields as the potential high school dropout target group; (6) assigning students to appropriate training locations; and (7) disseminating materials.

**AR 78 0283**

**Special Vocational Training for Secondary-Level Educable Mentally Handicapped and Learning Disabled Students through Utilization of Area Vocational Education Centers in Region Seven.**

**Project Director:** Corwin, John G.
**Organization:** Vocational Education Region 7, Covington, Ky.
**Address:** Amsterdam Road, Covington, KY

**Descriptors:** *Cooperative Education, Curriculum Design, *Educable Mentally Handicapped, Exceptional Child Services, Experiential Learning, *Handicapped Students, Individualized Curriculum, Individualized Programs, Job Placement, *Learning Disabilities, *Mainstreaming, Secondary Education, Special Programs, *Student Centered Curriculum, Student Placement

**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78

**Fiscal Year Funding:** $9,464

**Sponsoring Agency:** Kentucky State Dept. of Education, Frankfort

**Contract and/or Control No.:** G00C91 (4408)

The goal of academic and vocational training for EMH and LD students will be achieved through the following objectives: (1) identify those EMH/LD students enrolled in local special education classes in need of specialized vocational training; (2) modify the students' academic training so that it augments the vocational training; (3) rotate students through various vocational experiences to realistically determine students' interests and capabilities; (4) design a specialized vocational curriculum within a broad vocational area to provide the student with the necessary skills to enter the competitive job market; (5) provide related co-op experiences; (6) placement of student in employment; and (7) provide inservice training for local district and vocational school personnel. Each participating student will follow the existing pattern for secondary students at AVEC. During the half-day at AVEC, the special vocational education teacher will work closely with the students on various job related skills and information and manage individualized vocational programs. The educational package will be coordinated with the Individual Education Program (IEP) developed by the staff of the local school district. Products to be delivered will include a manual of operation including activities, experiences, and specialized vocational curriculum, Individual Education Program plans, and Co-op work experience plans and activities.

# LOUISIANA

## Research (Sec. 131)

**AR 78 0284**

**Expanding Vocational Horizons of Girls and Women: Women in Newer Nontraditional Roles (WINNER).**
**Project Director:** Days, Rosetta H.
**Organization:** Grambling State Univ., La.
**Address:** Grambling, LA 71245
**Descriptors:** *Career Choice, College Students, Females, *Leadership Training, *Nontraditional Occupations, *Occupational Information, Paraprofessional Personnel, Secondary School Students, Sex Discrimination, Sex Fairness, *Sex Role, *Sex Stereotypes, Workshops
**Funding Period:** Start Date 1 Mar 78; End Date 28 Feb 79
**Fiscal Year Funding:** $13,584
**Sponsoring Agency:** Louisiana State Dept. of Education, Baton Rouge

This project is designed to broaden the vocational horizons of girls and women through the elimination of sex bias and sex stereotype roles through a research design and training component. Specific goals are to (1) determine factors influencing career choices of girls and women; (2) develop criteria for determining sex role stereotyping in texts and curricula materials at the elementary and secondary level; (3) train a corps of paraprofessional leaders to help foster non-sex bias career choices; and (4) conduct workshops and establish a Career Information System to assist girls and women in selecting careers. The overall project is designed to employ a comprehensive approach with each phase being interrelated so as to complement the total program. The research component will involve approximately 4,000 women and girls at Grambling State University, the Laboratory High School, and the surrounding community. Approximately 35 undergraduate women students will undergo an intensive six-hour paraprofessional leadership training program. A series of mini-career workshops and seminars will be conducted for university and high school students and use resource male and female personnel engaged in nontraditional careers. Selected groups of students will have the opportunity to gain firsthand experiences through visits to business, industry, and other educational institutions.

**AR 78 0285**

**Louisiana Occupational Training Information system (LOTIS)–Phase V.**
**Project Director:** Michael, James R.
**Organization:** Louisiana Technical Univ., Ruston
**Address:** Ruston, LA 71270
**Descriptors:** *Data Bases, *Information Storage, *Job Training, *Management Information Systems, *Occupational Information, *Research Utilization
**Fiscal Year Funding:** $50,730
**Sponsoring Agency:** Louisiana State Dept. of Education, Baton Rouge

The purpose of the project is to expand the scope and quality of the data base obtained in previous LOTIS studies and to facilitate increased utilization of LOTIS data by industry and planners within various governmental agencies. Procedures will include: (1) updating the oldest data in the LOTIS file; (2) improving the file's statistical reliability; (3) developing two-digit specific industry profiles; (4) including supply data in the continuous revolving data base; (5) continuing and expanding the quantitative analysis progression patterns within industry; (6) assisting in the development of a coordinated management information system for the state; and (7) expanding the utilization of the data base by parties outside the Vocational Education Bureau.

**AR 78 0286**

**Successful Women in the Making (SWIM).**
**Project Director:** Creel, Bob
**Organization:** Delgado Coll., New Orleans, La.
**Address:** 615 City Park Avenue, New Orleans, LA 70119
**Descriptors:** *Career Education, Career Planning, *Changing Attitudes, Females, *Instructional Materials, *Nontraditional Occupations, *Occupational Guidance, Skill Development, *Workshops
**Funding Period:** Start Date 16 Mar 78; End Date 28 Feb 79
**Fiscal Year Funding:** $13,116
**Sponsoring Agency:** Louisiana State Dept. of Education, Baton Rouge

To ascertain the degree of attitudinal change reached by women regarding employment in nontraditional careers, thirty women will serve as a control group and thirty women in the experimental group will be exposed to a pre-training workshop. Workshop participants will have opportunities to learn about the work world and its responsibilities; develop a personal inventory; receive counseling in work opportunities; and explore career options through onsite visits, guest speakers, and audiovisual presentations. They will be encouraged to identify job possibilities, make goal projections, develop self-confidence, and improve communication skills. Following the workshop, a final evaluation of the project will be made; and the SWIM kit, a replicable packaged program, will be finalized. The kit can be used for teaching women in vocational and technical schools, for counseling high school girls, and as an aid to other women's groups.

**AR 78 0287**

**Women at Work in New Careers.**
**Project Director:** Wilson, Sherman A.
**Organization:** Acadia Parish School Board, La.
**Address:** P.O. Drawer 309, Crowley, LA 70526
**Descriptors:** Audiovisual Aids, *Career Awareness, Curriculum Development, Elementary Education, Employment Opportunities, *Material Development, *Nontraditional Occupations, *Occupational Information, Secondary Education, Sex Discrimination, *Sex Fairness, Sex Stereotypes, *Working Women
**Funding Period:** Start Date 1 Mar 78; End Date 28 Feb 79
**Fiscal Year Funding:** $22,074
**Sponsoring Agency:** Louisiana State Dept. of Education, Baton Rouge

The objective of the program is to make female students aware of new careers for women by presenting examples in an interesting format. Procedures will be to (1) locate women involved in jobs not heretofore considered "women's work;" (2) film and interview these women on the job; and (3) record pertinent information about each different job classification or category. Sufficient copies of 16mm films, tapes, and booklets containing the data gathered will be produced for use in Acadia Parish schools to help eliminate involuntary sex discrimination on the part of the school system.

## Exemplary and Innovative (Sec. 132)

**AR 78 0288**

**Exemplary Project: Overcoming Sex Bias, Stereotyping, and Discrimination in Vocational Education Programs.**
**Project Director:** DeRouen, A. L.
**Organization:** Calcasieu Parish School Board, Lake Charles, La. Vocational Education Dept.
**Address:** Lake Charles, LA
**Descriptors:** Delivery Systems, Educational Resources, *Educational Strategies, Information Dissemination, Inservice Programs, Program Development, Publicize, Resource Centers, *Sex Discrimination, *Sex Fairness, *Sex Stereotypes, *Staff Improvement
**Fiscal Year Funding:** $26,132
**Sponsoring Agency:** Louisiana State Dept. of Education, Baton Rouge

This project proposes to help overcome sex bias and stereotyping by dealing with the following program components: (1) project staff development; (2) resource material center establishment; (3) course content analysis; (4) strategy model development; (5) inservice training for school personnel; (6) community information program; and (7) program refinement. Among the procedures will be: (1) hiring a staff development consultant; (2) critiquing and selecting materials related to prevention of sex bias and stereotyping in vocational education and making these materials available to counselors, teachers, and other school personnel; (3) designing a delivery system for strategy model development and execution; (4) promoting media coverage; and (5) making procedural alterations, if needed.

**AR 78 0289**

**Placement Center.**
**Project Director:** Joseph, Revera
**Organization:** Acadia Parish School Board, La.
**Address:** P.O. Drawer 309, Crowley, LA 70526
**Descriptors:** *Education Service Centers, *Employment Services, *Job Placement, *Occupational Guidance, *Occupational Information, Secondary Education, *Student Placement, Vocational Followup

**Funding Period:** Start Date 1 Mar 78; End Date 28 Feb 79
**Fiscal Year Funding:** $20,585
**Sponsoring Agency:** Louisiana State Dept. of Education, Baton Rouge

The purpose of the project is to establish a placement center to (1) serve as a job placement agency for students who have successfully completed vocational programs; (2) provide current, reliable, local and regional job information for use in schools by students, teachers, counselors, and others; (3) establish a foundation upon which an area-wide program of occupational information can be evolved by extension of services of the Center; and (4) provide feedback concerning job-oriented students by a followup system for use in effectively influencing the occupational development of other students.

**AR 78 0290**

**Providing Dissemination, Demonstration and Inservice for an Exemplary Vocational Program.**
**Project Director:** Jenks, Houston C.
**Organization:** Saint Charles Parish Public Schools, Luling, La.
**Address:** Luling, LA 70070
**Descriptors:** *Adoption (Ideas), Career Education, Experiential Learning, *Information Dissemination, *Inservice Programs, *Staff Orientation
**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 1 Mar 78; End Date 28 Feb 79
**Fiscal Year Funding:** $20,846
**Sponsoring Agency:** Louisiana State Dept. of Education, Baton Rouge

The goal of this project is to disseminate statewide information regarding the Experience-Based Career Education program in operation in St. Charles Parish Public Schools. Objectives are to (1) disseminate information on model program to educational communities and the general public; (2) provide onsite observation and indepth orientation for potential adopters and interested observers; and (3) provide training to staffs of adopting school systems. The LEA will orient potential adopters from local school systems and interested observers who desire more of an indepth exposure to the project. Strategies used in each onsite visit to St. Charles Parish are divided into orientation, observation of student activites, and exit dialogue and wrap-up conference. School systems wishing to adopt the EBCE model will have their staffs trained by our project personnel through two alternatives: (1) Alternative A - Adoption of St. Charles Parish Model with three days of training on site in St. Charles Parish and five days of training for adopter in their own system or (2) Alternative B - Adopters of one of the other three national models with a one day conference with adopter and arranging for training by resource personnel from other national sites.

## Curriculum Development (Sec. 133)

**AR 78 0291**

**Curriculum Development Proposal (Electronics).**
**Project Director:** Marchand, Cleveland J., Jr.
**Organization:** Vocational Curriculum Development Research Center
**Descriptors:** *Core Curriculum, Curriculum Development, *Electronics, *Individualized Curriculum, Job Skills, Occupational Information, Postsecondary Education, Sex Fairness, Sex Stereotypes, Trade and Industrial Education
**Funding Period:** Start Date 1 Mar 78; End Date 28 Feb 79
**Fiscal Year Funding:** $50,000
**Sponsoring Agency:** Louisiana State Dept. of Education, Baton Rouge

The purpose of the project is to revise and establish an up-to-date electronics core curriculum for use in the expanding postsecondary level state vocational programs in Louisiana. The curriculum to be developed will include: (1) current methods and techniques used in electronics; (2) provision for different exit points based on student abilities; (3) an attempt to meet the demands of industry; and (4) elimination of sex stereotyping.

**AR 78 0292**

**Occupational Home Economics Curriculum Expansion.**
**Project Director:** Kapp, Ann B.
**Organization:** Northeast Louisiana Univ., Monroe
**Address:** Monroe, LA 71201
**Descriptors:** Curriculum Development, *Inservice Teacher Education, Learning Modules, *Occupational Home Economics, *Preservice Education, *Program Development, Program Planning, Teacher Educators, Teacher Workshops, Work Experience
**Funding Period:** Start Date 1 Mar 78; End Date 28 Feb 79
**Fiscal Year Funding:** $3,704
**Sponsoring Agency:** Louisiana State Dept. of Education, Baton Rouge

This project is a continuation of a 1976-77 project in which five new occupational home economics programs in five school systems were planned, organized, and readied for the 1977-78 school year. The objectives are to (1) provide assistance (curricular and other supportive help) to teachers and administrators in the five programs begun this year and (2) to work with administrators and teachers in the area to establish five additional programs for 1978-79. Visits will be scheduled at least twice monthly in the spring and fall in the new program. University home economics education students will work with university faculty members in visitation and services. Individualized learning packets, record keeping systems, public relations activities, and demonstrations are examples of types of help to be given as needs are identified. During the spring semester, letters and visits will be used to encourage teachers and administrators to organize new programs. A workshop on the Northeast Louisiana University campus during the second summer term will be held for 20 teachers currently teaching occupational home economics, as well as persons interested in organizing programs. A week of supervised work experience will be included.

# MAINE

## Research (Sec. 131)

**AR 78 0293**

**Project for Increasing the Diffusion of Innovations between Schools in the State of Maine.**
**Project Director:** Caffarella, Edward P.
**Organization:** Maine Univ., Orono
**Address:** Orono, ME 04473
**Descriptors:** *Diffusion, *Educational Innovation, *Educational Needs, Information Dissemination, Needs Assessment, *Program Development, Workshops
**Funding Period:** Start Date 1 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $10,338
**Note:** This project also received $3,000 under Title IV-C, PL 93-380.
**Sponsoring Agency:** Maine State Dept. of Educational and Cultural Services, Augusta

This project will attempt to increase the knowledge of the selected participants in the concept of diffusion. As a result, there should be a wider dissemination of project results throughout the state. The first phase of the project will be an investigation of the current state of dissemination within the Department of Educational and Cultural Services and in the Maine public schools. The second phase will be a series of four workshops on a variety of topics relating to the diffusion of innovations. The third phase will be the packaging and dissemination of project results.

## Exemplary and Innovative (Sec. 132)

**AR 78 0294**

**Experience-Based Career Education.**
**Project Director:** Harvey, Charles
**Organization:** Community School District 10, Readfield, Maine
**Address:** Readfield, ME 04355
**Descriptors:** *Career Education, Community Resources, Comprehensive Programs, *Educational Alternatives, Educational Research, *Experiential Learning, Parent Participation, *Program Development, Program Planning, Public Relations, *Rural Schools, School Community Cooperation, Secondary Education, Staff Improvement
**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 14 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $18,929
**Sponsoring Agency:** Maine State Dept. of Educational and Cultural Services, Augusta
**Contract and/or Control No.:** 908432

This project will involve four communities comprising Community School District #10 in planning, developing, and operating an experience-based career education program as an alternative to a traditional secondary education program. The program will assist in developing a solid curriculum which matches community and school resources with the ability, interests, desires, and skills of the individual student; guiding the students to help them make responsible decisions about such things as how they can continue their education and gain employment; helping students develop the knowledge, understanding, and skills basic to a purposeful, happy life; building bonds between the school and the community which emphasize responsibility, cooperation, mutual understanding, and commitment; and demonstrating the value of the individual and the importance of living in and contributing to a productive community. The project will demonstrate the partnership that must exist between the community, parents, and the school in providing education programs; use the community and its resources as a logical extension of existing school programs; show a clear relationship between school and the world of work; develop and submit to the Bureau of Vocational Education a three-year proposal for the funding of an exemplary experience-based career education program; and plan for the implementation of an experience-based career education program at Maranacook Community School during the school year of 1978-1979. A series of experienced-based career education devlopment packets will be developed and disseminated to potential adopters.

**AR 78 0295**

**Job Development, Placement and Follow-Up.**
**Project Director:** Larouche, James L.
**Organization:** Lewiston School Dept., Maine
**Address:** The Dingly Building, 36 Oak Street, Lewiston, ME 04240
**Descriptors:** Data Analysis, Employment Services, *Followup Studies, *Graduate Surveys, Instructional Programs, *Job Development, *Job Placement, *Personnel Evaluation, Program Development, Secondary Education, Task Performance
**Funding Period:** Start Date 1 Jul 77; End Date 1 Oct 77
**Fiscal Year Funding:** $5,891
**Sponsoring Agency:** Maine State Dept. of Educational and Cultural Services, Augusta

The project's purpose is to maintain program activities established during FY 1975-76 and FY 1976-77 on an interim basis until September 30, 1977 in anticipation of being awarded an operational grant according to new guidelines set forth by Exemplary Program funding sources. This will prevent interruption of the three-year sequence of the reference program. Specific objectives are to expand and refine the following: (1) job development and placement activity; (2) job performance evaluation after placement; (3) contact with employers; (4) feedback from employers and students involved in the Lewiston High School instructional program; and (5) relationship with the Maine Job Service and other local, county, and state agencies which provide youth services. Procedures will include: (1) using placement activities; (2) mailing job performance evaluation forms to employers at least twice during the academic year; (3) analyzing feedback from employers and students; (4) having students scrutinize their job preparation in terms of job skills; (5) identifying actual and potential dropouts; (6) exploring the use of employment alternatives as incentives for remaining in school; (7) coordinating greater specialized resource and staff utilization; (8) continuing to collect information on apprenticeship and other postsecondary training programs; and (9) attempting to involve the guidance department to a greater degree in the program.

**AR 78 0296**

**Job Development, Placement, and Follow Up (Continuation).**
**Project Director:** Jordan, Kenneth
**Organization:** Lewiston School Dept., Maine
**Address:** Lewiston, ME 04240
**Descriptors:** Advisory Committees, *Disadvantaged Youth, Dropout Programs, *Followup Studies, Integrated Curriculum, *Job Placement, Learning Activities, Program Development, *Student Placement, *Technical Assistance
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $20,109
**Sponsoring Agency:** Maine Research Coordinating Unit, Augusta. Bureau of Vocational Education

The objectives of this continued project are to (1) form and utilize a working advisory committee; (2) place special emphasis on work placement activities for disadvantaged individuals within the student populations served; (3) actively provide technical assistance to school systems which wish to provide work placement services for students; (4) integrate project activities into existing curriculum programs; and (5) promote structural adoption of project activities by existing school personnel and administrative units.

**AR 78 0297**

**North Haven Project for Career Development.**
**Project Director:** Gjelton, Thomas G.
**Organization:** North Haven Community School, Maine
**Address:** North Haven, ME 04853
**Descriptors:** Career Choice, *Career Development, *Career Education, *Decision Making Skills, *Educational Strategies, Elementary Secondary Education, Experiential Learning, *Program Descriptions, Rural Areas, *Rural Schools, Skill Development
**Funding Period:** Start Date 1 Jul 77; End Date 30 Sep 77
**Fiscal Year Funding:** $7,520
**Sponsoring Agency:** Maine Research Coordinating Unit, Augusta. Bureau of Vocational Education

The purpose of the project is to equip students in a small, geographically isolated community with skills and experience which can assist them in making career decisions upon leaving school. Specific objectives are to (1) isolate the successful programs and activities developed under the North Haven Project

for Career Development to date; (2) gather supplementary resources and information which help to further elucidate issues in the problem area and reinforce the approach developed at North Haven; (3) identify approaches to these issues found successful in other schools; (4) compile a comprehensive report including the above information; and (5) publish and distribute this report throughout Maine. Procedures will include: (1) extensive discussions with North Haven staff summarizing activities and programs; (2) visits to other small, rural schools; (3) consultations with individuals active in the implementation of project activities, such as coordinator of student exchanges, staff development consultants, evaluators, etc.; and (4) employing a director to do project travel, research, writing, and to publish and distribute the final report.

**AR 78 0298**

**North Haven Project for Career Development.**
**Project Director:** Gjelten, Thomas G.
**Organization:** School Administrative District 7, North Haven, Maine
**Address:** North Haven, ME 04853
**Descriptors:** *Career Development, *Inservice Teacher Education, *Rural Schools, Staff Improvement, Student Motivation, *Teacher Workshops, *Teaching Techniques
**Funding Period:** Start Date 30 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $1,500
**Sponsoring Agency:** Maine State Dept. of Educational and Cultural Services, Augusta
**Contract and/or Control No.:** 78-96-604-78

This supplemental funding will permit project staff to offer a greater number of workshops than intended under the original proposal. The workshops will focus on the career development of youth growing up in a geographically isolated community and provide an inservice staff development program for rural teachers. Four conferences will be conducted to present the workshops. The first conference, "Enlivening the Basic Skills Curriculum: Strategies to Heighten Student Motivation in Rural Schools," will present "Community Studies in History, Math, and Language Arts;" "Children's Writing: A Basic Skill;" and "It's Not a Frill: Teaching through the Arts." The second conference, "Outdoor Studies," will present "Outdoor Education." The third conference, "Career Development in Rural Schools," will present "Out of Community Programs: The North Haven Project;" "Beyond Happily Ever After;" and "Community-Based Career Education." The fourth conference, "Administration of the Small Rural School," will present "The Rural School as an Organization System;" "Adult and Community Education in Rural Settings;" and "Staff Development for Rural Teachers."

**AR 78 0299**

**North Haven Project for Career Development (Addendum).**
**Project Director:** Gjelton, Thomas G.
**Organization:** North Haven Community School, Maine
**Address:** North Haven, ME 04853
**Descriptors:** *Career Development, *Career Education, Elementary Secondary Education, Information Dissemination, *Occupational Guidance, *Resource Centers, Rural Areas, *Rural Schools, *Teacher Workshops, Vocational Counseling
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $4,570
**Sponsoring Agency:** Maine State Dept. of Educational and Cultural Services, Augusta

This project intends to institutionalize the exemplary project in career education at North Haven Community School and disseminate and introduce the program at other isolated schools. Procedures will be to (1) continue staff training at North Haven through ongoing development sessions designed to convey newly learned vocational education concepts to new staff; (2) organize a resource center available to staff and students using materials collected throughout the project; (3) use a resource librarian and purchase some materials including "The Rural American Guidance Series," a set of 16 handbooks created to assist in the planning, development, implementation, and evaluation of a career guidance and counseling program for rural and small schools; (4) hold workshops in three or four regions in Maine open to all educators from small, rural schools to help them implement similar programs; and (5) evaluate workshops by participants.

**AR 78 0300**

**Occupational Guidance for Disadvantaged Youth.**
**Project Director:** Seager, Eleanor M.
**Organization:** H.O.M.E. Co-Op, Orland, Maine
**Address:** Box 408, Orland, ME 04472
**Descriptors:** *Adult Education Programs, Career Education, Community Resources, *Disadvantaged Youth, *High School Equivalency Programs, *Learning Laboratories, Low Income Groups, *Occupational Guidance, Secondary Education
**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $5,250
**Sponsoring Agency:** Maine Research Coordinating Unit, Augusta, Bureau of Vocational Education

The purpose of the project is to develop an exemplary occupational education component within the H.O.M.E. Learning Center's adult high school diploma program which would serve the needs of disadvantaged youth and adults. Procedures will include: (1) evaluating students' interests, abilities, and training needs through individual contact, evaluative techniques, and classroom contact; (2) providing opportunities for students to expand their horizons, both geographically and in terms of values and career choices; (3) running one Job Life planning course during the year; (4) continuing to establish and solidify statewide and local agencies serving persons looking for career information; (5) making referrals of students to agencies and assisting clients in job placement; and (6) attempting to make agencies and emloyers more responsive to the needs of students and low-income residents of the area.

**AR 78 0301**

**Occupational Guidance for Disadvantaged Youth (Addendum).**
**Project Director:** Seager, Eleanor M.
**Organization:** H.O.M.E. Co-op, Orland, Maine
**Address:** Orland, ME 04472
**Descriptors:** *Adult Education Programs, Career Education, Community Resources, *Disadvantaged Youth, *High School Equivalency Programs, *Learning Laboratories, Low Income Groups, *Occupational Guidance, Secondary Education, Unemployed, Urban Environment
**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $1,339
**Sponsoring Agency:** Maine State Dept. of Educational and Cultural Services, Augusta

This program intends to pilot an experience-based career education program with adults experiencing either chronic unemployment or remedial academic needs in a rural setting. Procedures will be to (1) establish community resources suitable as learning sites for students; (2) teach students interviewing, planning, decision-making, and career responsibility skills for their own learning and long-term vocational planning; (3) meet regularly with students to plan, write, and carry-through community projects; and (4) run a three-day urban survival course geared especially for those who might be unfamiliar with such a setting but with career goals that would take them there.

# MARYLAND

## Research (Sec. 131)

**AR 78 0302**

**Assessing Competency of Home Care Workers.**
**Project Director:** Hanson, Doris E.
**Organization:** Home Care Research, Inc., Frederick, Md.
**Address:** 30 East Patrick Street, Frederick, MD 21701
**Descriptors:** *Evaluation Methods, *Family Day Care, Home Economics Skills, *Homemaking Skills, Job Analysis, *Job Skills, *Measurement Instruments, *Program Evaluation, Skill Analysis
**Funding Period:** Start Date 1 Jun 78; End Date 30 Sep 78
**Fiscal Year Funding:** $2,000
**Note:** This project also received $2,171 under Sec. 132 for FY 1978.
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

The project will attempt to (1) locate and/or develop assessment methods for establishing the competency of home care workers; (2) estimate time and cost of pretesting methods; and (3) recommend ways to further test and validate assessment methods. Registered nurses will be used in the personal care segment with someone from another professional background for balance. The homemaking competencies will be responsible for competencies related to their area of expertise with either the nurse or home economist. Managers will be responsible for local coordination.

**AR 78 0303**

**Child Development Teacher Competency-Based Training Material Development.**
**Project Director:** Shoemaker, Sara A.
**Organization:** Anne Arundel County Public Schools, Annapolis, Md.
**Address:** 2644 Riva Road, Annapolis, MD 21401
**Descriptors:** *Child Development, Manuals, *Material Development, *Performance Based Teacher Education, *Teacher Education Curriculum, *Teaching Guides
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $2,000
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

Teacher training manuals will be developed to be used in training sessions with teachers of the advanced level courses in the Anne Arundel County Child Development sequence. Two people with backgrounds in Childhood Education will work together as a cooperative team to develop manuals for teachers. Products to be delivered will be resource manuals which can be used by other school systems in the state to provide a functional background for the Development of Competency Based Curriculum in Child Development courses.

**AR 78 0304**

**Engineering Technology Modules.**
**Project Director:** Kimber, J.; Parsons, M.
**Organization:** Hagerstown Junior Coll., Md.
**Address:** 751 Robinwood Drive, Hagerstown, MD 21740
**Descriptors:** Curriculum Development, Electrical Occupations, *Electric Circuits, *Engineering Technology, Individualized Curriculum, Junior Colleges, *Learning Laboratories, *Learning Modules, Multimedia Instruction, Post Testing, Pretests, *Teacher Developed Materials
**Funding Period:** Start Date 1 Jun 78; End Date 31 Jan 79
**Fiscal Year Funding:** $1,337
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

The purpose of the project is to develop engineering technology modules. The electrical engineering technolgoy faculty at Hagerstown Junior College (HJC) will identify the complex circuitry from which the modules will emanate. Faculty will prepare a series of transparencies, worksheets, and pre- and post-tests to allow the student to develop the necessary expertise in "trouble-shooting" complex circuitry. Faculty will design a series of self-paced laboratory activities designed to validate the "trouble-shooting" techniques developed through the use of the transparencies and worksheets. Faculty will use the multimedia modules with the students, who will complete questionnaires soliciting their opinions of the modules. Results will be tallied.

**AR 78 0305**

**Industrial Metrics Conversion.**
**Project Director:** Reynard, Robert
**Organization:** Catonsville Community Coll., Md.
**Address:** 800 South Rolling Road, Catonsville, MD 21228
**Descriptors:** Bibliographies, Curriculum Development, Educational Needs, *Educational Programs, Industrial Education, *Industry, *Instructional Materials, *Metric System, Needs Assessment, Program Evaluation, *Resource Materials, *Teaching Models
**Funding Period:** Start Date 12 Jun 78; End Date 30 Sep 78
**Fiscal Year Funding:** $5,000
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

The purpose of the project is to develop a base, generic instructional model that is easily adaptable to the needs of Condec Corporation and other industries. Procedures will be to (1) investigate available materials; (2) evaluate the results of past metric training programs offered through various sources; (3) identify the metric training needs of Baretta, Condec, and other industries requesting assistance; (4) develop base generic instruction model; (5) identify materials that apply to this model; (6) adapt materials as required to apply to the model; (7) distribute and field test materials; (9) revise as needed; and (8) prepare final report and bibliography of materials researched and reviewed.

**AR 78 0306**

**Investigation of Property (Housing) Management Field and Evaluation of Housing Management Program at Howard Community College.**
**Project Director:** Smith, James A.
**Organization:** Howard Community Coll., Columbia, Md.
**Address:** Little Patuxent Parkway, Columbia, MD 21044
**Descriptors:** Community Colleges, Curriculum Evaluation, *Educational Needs, Educational Planning, Employment Projections, Inservice Education, *Manpower Needs, Postsecondary Education, *Program Evaluation, Program Validation
**Identifiers:** *Housing Management Occupations
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $2,450
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

The project will (1) re-evaluate the manpower demands for private and public Housing Resident Managers in the Metropolitan region and determine demand figures for the next five years and (2) evaluate the inservice upgrading and retraining requirements of persons now working as Housing Managers and report such as modifications to the program objectives. The procedure to be followed in completing the study will involve interviewing representatives from agencies and groups concerned with the Housing Management field. Although an Advisory Committee, the committee established during planning for the Housing Management Program at Howard is to be an integral part of the study, the College feels it is important to search out and utilize the expertise of other outside groups where education of housing management personnel is being pursued.

**AR 78 0307**

**Leadership Development Workshops for Building Principals.**
**Project Director:** Brannon, Donald R.
**Organization:** Maryland PPYAD Center, Baltimore
**Address:** 1815 Woodside Avenue, Baltimore, MD 21227
**Descriptors:** *Administrator Attitudes, *Instructional Films, Leadership Training, *Principals, *Publicize, Staff Improvement, *Workshops
**Funding Period:** Start Date 1 Apr 78; End Date 1 Nov 78
**Fiscal Year Funding:** $4,000
**Note:** This project also received $1,512 under Sec. 132 for FY 1978.
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

This project will (1) research and develop a script for a 16mm sound and color film explaining exemplary practices and benefits of vocational education in Maryland; (2) produce a 16mm sound and color film of approximately 15 minutes' duration explaining exemplary practices and benefits of vocational education in Maryland; (3) edit said production to result in a film of exemplary quality by October 1, 1978; and (4) assure that this film represents adequately sex equity and disadvantaged and handicapped populations in vocational education in Maryland. The PPYAD's planning committee recommended that a professional filmmaker be hired as a consultant to work with the PPYAD Center and Western Maryland Vocational Resource Center (WMVRC) to

produce this film. Three copies of this film will be delivered to DVTE.

**AR 78 0308**

**Needs Assessment for Real-Estate Curriculum.**
**Project Director:** Schilling, Charles
**Organization:** Dundalk Community Coll., Baltimore, Md.
**Address:** 7200 Sollers Point Road, Baltimore, MD 21222
**Descriptors:** Community Colleges, Cooperative Programs, Credit Courses, *Curriculum Planning, Curriculum Research, *Educational Needs, Feasibility Studies, *Needs Assessment, Noncredit Courses, Postsecondary Education, *Real Estate Occupations, Surveys, Training
**Funding Period:** Start Date 1 Jan 78; End Date 1 Jul 78
**Fiscal Year Funding:** $3,954
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

The project will determine the needs of the Real Estate community for further training in credit and non-credit programs. Procedures will be to (1) develop a series of training options which meet the identified needs of the Real Estate Brokers and their sales associates; (2) deliver these training opportunities at a location and period of time that is convenient for the target population; (3) explore the perception of Dundalk Community College in the Real Estate community; (4) begin the process of identifying Dundalk Community College as the Real Estate center of Southeastern Baltimore County; and (5) determine the feasibility of developing a co-op program for Real Estate students.

**AR 78 0309**

**Teacher's Handbook for Exploring a Cluster of Work Values of Students, Parents, and Teachers on the Basis of Research Findings.**
**Project Director:** Mietus, Walter S.
**Organization:** Maryland Univ., College Park
**Address:** College Park, MD 20742
**Descriptors:** *Career Education, Research, Secondary Education, *Social Studies, *Teaching Guides, Teaching Techniques, *Values, *Work Attitudes
**Funding Period:** Start Date 1 May 78; End Date 31 Jul 78
**Fiscal Year Funding:** $3,264
**Note:** This project also received $3,000 under Sec. 132 for FY 1978.
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

The purpose of this project is to interpret recent research findings that are related to work values into stimulating concepts and strategies, which may be used by secondary teachers engaged in career education and/or social studies. The proposed handbook would form an objective basis for investigation and inquiry which would serve to develop an awareness in students to the various values of people, from different walks of life, attach to work. The data collected will be analyzed, tabulated, and put into consumable form for secondary teachers and students. Research hypotheses and findings will be written in a simple and direct language and style. A body of clear objective information will form the text, a series of thought provoking questions and teachers strategies will be included. Fifty handbooks entitled "Teachers' Handbook for Exploring a Cluster of Work Values of Students, Parents, and Teachers on the Basis of Research Findings" will be delivered.

## Exemplary and Innovative (Sec. 132)

**AR 78 0310**

**Dissemination and Guidance for Sex Bias.**
**Project Director:** Santucci, Hubert C.
**Organization:** Talbot County Board of Education, Easton, Md.
**Address:** Easton, MD
**Descriptors:** *Educational Opportunities, Information Dissemination, *Instructional Films, Occupational Information, Program Descriptions, *Publicize, Public Relations, *Sex Discrimination, *Sex Fairness, Sex Stereotypes
**Funding Period:** Start Date 1 Jan 78; End Date 1 Jul 78
**Fiscal Year Funding:** $3,000
**Note:** This project also received $542 under Sec. 136 for FY 1978.
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

The project proposes to produce a 16 mm film about vocational programs in and around Talbot County. The film will explain all aspects of the Talbot County Vocational Education Programs in order to enrich and broaden the viewers concept of the program. The project director has filmed for the Kennedy Foundation and plans have been made that production guidance will be available by the Western Maryland Vocational Resource Center. Seven copies of the film will be made available. Three of these copies will be presented to the Department of Education, Division of Vocational-Technical Education.

**AR 78 0311**

**Elimination of Sex Bias in Home Economics Child Development and Parenting Materials K-12.**
**Project Director:** Hunter, Dorothy B.
**Organization:** Montgomery County Public Schools, Rockville, Md.
**Address:** 850 Hungerford Drive, Rockville, MD 20850
**Descriptors:** Annotated Bibliographies, *Child Development, *Curriculum Evaluation, Elementary Secondary Education, *Instructional Materials, *Parenthood Education, Sex Discrimination, *Sex Fairness, Sex Role, Sex Stereotypes, Workshops
**Funding Period:** Start Date 1 Feb 78; End Date 1 Aug 78
**Fiscal Year Funding:** $5,000
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

Students will be allowed more objective, less prejudiced, career choices and role options in the future as parents, homemakers and workers, as a result of this project. Procedures will be to (1) locate or design a suitable instrument for evaluation of Home Economics Child Development/Parenting instructional materials; (2) evaluate all LEA-approved, Home Economics, Child Development/Parenting instructional materials for use in grades K-12 that have been published since 1970; (3) develop an approved annotated bibliography of exemplary instruction materials that show equity of sex roles and sex bias; and (4) conduct a pilot workshop in a selected LEA for Home Economics teachers and student representatives

**AR 78 0312**

**Elimination of Sex Bias in the Legal Assistant Field.**
**Project Director:** Hawkins, Barbara S.
**Organization:** Villa Julie Coll., Stevenson, Md.
**Address:** Greenspring Valley Road, Stevenson, MD 21153
**Descriptors:** Educational Opportunities, *Employment Opportunities, *Legal Assistants, *Nontraditional Occupations, Paraprofessional Personnel, Program Development, Public Relations, *Sex Discrimination, Sex Fairness, Sex Stereotypes, *Student Recruitment, *Vocational Counseling
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 78
**Fiscal Year Funding:** $5,000
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

The goal of the project is to prevent the para-legal career field from being perceived as a female occupation and to eliminate sex-bias in the promotion, recruitment, counseling, and placement of para-legals. Procedures will be to (1) prepare promotional materials for the para-legal profession and educational programs that are free of sex-bias and sex role stereotyping; (2) develop a model recruiting, counseling and support system that will interest males and females in the para-legal field; (3) identify and develop potential areas of employment for para-legals in local corporations and government agencies; and (4) increase the sensitivity of the faculty, counselors, and administration who will deal with the para-legal.

**AR 78 0313**

**Elimination of Sex Bias: Instructional Revision.**
**Project Director:** Parsons, M. H.
**Organization:** Hagerstown Junior Coll., Md.
**Address:** 751 Robinwood Drive, Hagerstown, MD 21740
**Descriptors:** Curriculum Development, *Curriculum Evaluation, *Engineering Technology, Guidance, Guidance Programs, Instructional Materials, Nontraditional Occupations, *Nursing, Program Evaluation, Sex Discrimination, *Sex Fairness, Sex Stereotypes, Student Needs, *Student Recruitment, Workshops
**Funding Period:** Start Date 1 Jun 78; End Date 31 Dec 78
**Fiscal Year Funding:** $2,165
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

The project is designed to remove sex-linked recruitment, guidance, and instruction. The college will assemble a committee composed of faculty and staff to review all instructions, guidance, and recruitment material in the engineering technologies and nursing to determine the extent of its sex bias. Using the findings of the committee, college engineering and nursing personnel will undertake a systematic revision of those materials deemed sex biased. The college will conduct a series of awareness workshops to sensitize faculty and staff to the nature of sex bias and to the needs of students entering non-traditional programs. Those students who enter a non-traditional program will be assisted by counselors and faculty who have been made aware of the problems inherent in such action. The overall benefit will be students better served and less likely to withdraw for sex-biased reasons.

**AR 78 0314**

**Employer's Follow-Up Research.**
**Project Director:** Cherry, Charles R.
**Organization:** Wicomico County Board of Education, Salisbury, Md.

**Address:** Long Avenue, Salisbury, MD 21801
**Descriptors:** Data Bases, Data Collection, Educational Assessment, *Electronic Data Processing, *Employer Attitudes, *Employment Qualifications, *Followup Studies, Graduate Surveys, Job Placement, Job Skills, School Industry Relationship, *Student Evaluation, Surveys, *Vocational Followup
**Funding Period:** Start Date 1 Jun 78; End Date 30 Sep 79
**Fiscal Year Funding:** $2,863
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

Teachers will be trained to develop a computerized follow-up system in this project to determine from an employer follow-up study the degree to which employers agree with the educational system's assessment of students' competencies. Employers will be asked to suggest additional competencies needed for a particular business as well as those competencies which are not needed for that particular business. Employer information will be used to establish a standard for ascertaining competencies and to collect a data base for future surveys. Job placement will be completed. After the first student follow up has been returned, a survey of employers will be completed to assess the quality of students graduated and placed from vocational programs. A newly installed data processing equipment, System 34, will be used for collecting and compiling base data. Findings and results from the computerized employer follow up will constitute the major evaluation of the project. The achievements of the project will be reported to teachers and the advisory committee of the individual program areas as another means of program evaluation.

### AR 78 0315

**Employment Access for Displaced Homemakers.**
**Project Director:** Keating, Joyce
**Organization:** Center for Displaced Homemakers, Baltimore, Md.
**Address:** 2435 Maryland Avenue, Baltimore, MD 21218
**Descriptors:** *Adult Programs, *Career Change, Career Development, *Career Planning, *Females, *Guidance Programs, High School Equivalency Programs, Vocational Counseling, Working Women, Workshops
**Identifiers:** *Displaced Homemakers
**Funding Period:** Start Date 15 Jun 78; End Date 15 Feb 79
**Fiscal Year Funding:** $4,000
**Note:** This project also received $3,500 under Sec. 131 and $1,500 under Sec. 136 for FY 1978.
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

Resource and counseling assistance in solving problems associated with being a displaced homemaker will be provided for six projects participants over twenty-four weeks. Job readiness services will include Career Path workshops, peer support, training opportunities and work experience, test coaching, assertiveness training, workshops in non-traditional fields, and GED preparedness. A final report will be delivered concluding the results of the Career Path program.

### AR 78 0316

**FCC-Year Round Aviation/Avionics.**
**Project Director:** Larson, Jon H.
**Organization:** Frederick Community Coll., Md.
**Address:** O'Possum Town Pike, Frederick, MD 21701
**Descriptors:** *Aviation Mechanics, Aviation Technology, Certification, Curriculum Development, Electronics, *Electronic Technicians, *Employment Opportunities, *Feasibility Studies, *Field Experience Programs, Financial Support, *Needs Assessment, Program Costs, School Industry Relationship, Standards
**Funding Period:** Start Date 1 Jun 78; End Date 31 Oct 79
**Fiscal Year Funding:** $4,000
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

The purpose of the project is to coordinate curriculum content with industry needs. Specific objectives will include: (1) identifying specific job placement opportunities; (2) identifying field training sites and schedules integrated with the curriculum plan; (3) identifying equipment needs and other costs; (4) identifying sources of industry support for program start-up costs; and (5) developing curricula and schedules which meet licensing and industry job-entry standards. Procedures will include assessing the feasibility of and proposing a schedule and implementation plan for expanding the present Aviation Maintenance Technology program to year-round operation and establishing an avionics option to the College's existing Electronics Technology and Aviation Maintenance Technology programs.

### AR 78 0317

**Implementation of Vocational Student Organization: Health Occupations Students of America.**
**Project Director:** Little, Charlotte B.
**Organization:** Howard County Public Schools, Columbia, Md.
**Address:** Columbia, MD 21044
**Descriptors:** Career Awareness, *Group Membership, *Health Occupations, *National Organizations, *Student Organizations
**Identifiers:** *Health Occupations Students of America
**Funding Period:** Start Date 1 Jan 78; End Date 31 Dec 78
**Fiscal Year Funding:** $2,000
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

The project will develop plans and initiate the formation of a minimum of five Health Occupations Students of America (HOSA) chapters in Maryland, which will satisfy the requirement for charter membership in the National HOSA organization. Procedures will be to (1) obtain a revised copy of the HOSA constitution and by-laws; (2) assess the current situation in Maryland to see where there are existing health career or health occupations clubs; (3) collect all available information regarding the formation of HOSA chapters in other states; (4) identify areas of the curriculum which would provide suitable related activities for the youth organizations; (5) establish verbal and written communications with HOSA groups on a state and national level in order to keep abreast of trends and issues; and (6) assist in sponsoring teacher and student representatives to the national HOSA Convention in Oklahoma City on April 27-29, 1978.

### AR 78 0318

**Instructional Materials Evaluation Pertaining to Sex Bias and Sex-Role Stereotyping in the Area of Industrial Arts.**
**Project Director:** Goodwin, James
**Organization:** Baltimore City Public Schools, Md. Industrial Arts Office
**Address:** Calvert and 23rd Streets, Baltimore, MD 21218
**Descriptors:** *Career Exploration, Curriculum Development, *Curriculum Evaluation, *Industrial Arts, Inservice Teacher Education, Sex Discrimination, *Sex Fairness, *Sex Stereotypes, Teaching Methods
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 79
**Fiscal Year Funding:** $4,400
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

This project aims to provide Industrial Arts programs which are attractive to students of both sexes. Students will be offered exploratory laboratory experiences related to industrial study where sex does not affect the promotion of the educational experience, the techniques of instruction within the experience, nor the ultimate program choice made by the student. Procedures will include: (1) conducting an instructional materials evaluation to identify materials which contribute to discriminatory attitudes; (2) designing supplemental non-sexist materials to be used in conjunction with current instructional materials; (3) designing career-related Industrial Arts displays depicting the heterogeneous structure of today's working force; (4) evaluating inter-school program promotion techniques to identify and eliminate any included stereotypical characteristics; and (5) designing possible inservice workshops to develop and reinforce non-exist teaching methods.

### AR 78 0319

**Pilot Project for High-Risk Vocational and Technical Students.**
**Project Director:** Flumbaum, David
**Organization:** Dundalk Community Coll., Baltimore, Md.
**Address:** 7200 Sollers Point Road, Baltimore, MD 21222
**Descriptors:** Curriculum Development, Dropout Identification, *Dropout Prevention, *Individualized Programs, Pilot Projects, *Potential Dropouts, *Program Development, Student Attitudes, *Student Improvement, Student Needs, Student Problems
**Funding Period:** Start Date 1 Jun 78; End Date 30 Sep 78
**Fiscal Year Funding:** $3,960
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

Procedures will include: (1) identification of vocational students not profiting from the developmental education program; (2) design of programs for those identified students based on specific needs from areas found in the objectives; and (3) implementation of a pilot program to cause those selected students to move toward institutional success.

### AR 78 0320

**Police Services Orientation.**
**Project Director:** Zabetakis, S.; Parsons, M.
**Organization:** Hagerstown Junior Coll., Md.
**Address:** 751 Robinwood Drive, Hagerstown, MD 21740
**Descriptors:** *Audiovisual Instruction, *Autoinstructional Aids, Field Instruction, *Internship Programs, Junior Colleges, Learning Modules, *Orientation Materials, *Police, Postsecondary Education
**Funding Period:** Start Date 1 Jun 78; End Date 30 May 79
**Fiscal Year Funding:** $712
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

This project is an effort to help students choose an approved internship site consistent with their career goals and to make linkages between their classroom skills, thus improving the accountability of the justice-police services program at Hagerstown Junior College. To achieve these goals, college faculty will produce three slide/tape presentations which will serve as orientations to

the police services internship sites, information packets which will allow use of the presentations on an independent study basis, and a pre- and posttest designed to let students know if they have met the objectives of the orientation presentations. Program faculty will be assisted in making effective use of time. The presentations, information packets, and tests will be used with sophomore students in 1978-1979; these students will be surveyed regarding the utility of the presentations. Cooperating agencies will benefit by receiving interns who are familiar with the agency's site, personnel, and procedures.

**AR 78 0321**

**Roto-Shelf.**
**Project Director:** White, Dale
**Organization:** Washington County Board of Education, Hagerstown, Md.
**Address:** Hagerstown, MD 21740
**Descriptors:** *Classroom Design, *Educational Equipment, *Facility Utilization Research, Feasibility Studies, *Horticulture, Lighting Design, Lights, Multipurpose Classrooms, *Plant Science
**Identifiers:** *Roto Shelf
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $2,000
**Sponsoring Agency:** Maryland State Department of Education, Baltimore

The project will attempt to prove: (1) whether or not the inclusion of a "roto-shelf" will make possible the adaption of a traditional classroom with natural lighting for the teaching of horticulture and (2) whether or not this is an economical plant laboratory. The roto-shelf unit will be installed in a traditional classroom being used for horticulture instruction. Available space will be utilized for this equipment. Local assembly of the unit is desired and will be accomplished in cooperation with other vocational programs in the school.

**AR 78 0322**

**Roto-Shelf–Agriculture.**
**Project Director:** Thompson, Harold
**Organization:** Carroll County Board of Education, Westminster, Md.
**Address:** 55 North Court Street, Westminster, MD 21157
**Descriptors:** *Agricultural Education, *Classroom Design, *Educational Equipment, *Experiential Learning, *Facility Utilization Research, Feasibility Studies, Lighting, Lighting Design, Lights, Multipurpose Classrooms, *Plant Science
**Identifiers:** *Roto Shelf
**Funding Period:** Start Date 1 Jan 78; End Date 31 Dec 78
**Fiscal Year Funding:** $1,850
**Sponsoring Agency:** Maryland State Dept. of Education, Baltimore

The project will (1) determine the effective use of the roto-shelf in a closed classroom; (2) determine the feasibility of using the roto-shelf in other similar classrooms; (3) provide an environment for experimentation with light sources and intensities; and (4) provide an added educational experience for all students enrolled in the class. Procedures include: (1) students will be assigned a section of the roto-shelf for the growing of plants; (2) students will be able to grow plants which are too light sensitive to be grown in greenhouses; (3) students will be able to experiment with light intensity and length of light exposure; (4) students will be able to determine the limitations of growing plants in artificial light; (5) students will be able to evaluate procedures and the effectiveness of using the roto-shelf in growing plants with total artificial light; and (6) the teacher will plan day-to-day activities in the use of the roto-shelf as a learning activity.

# MASSACHUSETTS

## Research (Sec. 131)

AR 78 0323

**Evaluation Responsibilities of the Community College System of the Commonwealth.**
**Organization:** Massachusetts Board of Regional Community Colleges, Boston
**Address:** Boston, MA
**Descriptors:** *Community Colleges, Curriculum Evaluation, Postsecondary Education, *Program Evaluation, *State Programs
**Funding Period:** Start Date 1 Sep 77; End Date 30 Sep 78
**Fiscal Year Funding:** $22,548
**Sponsoring Agency:** Massachusetts State Dept. of Education, Boston
**Contract and/or Control No.:** 78-390-000-090-1

This project will evaluate the occupational education programs in the 15 community colleges of the Commonwealth of Massachusetts. The assistance and the involvement of the Division of Occupational Education will be sought to accomplish this evaluation.

## Exemplary and Innovative (Sec. 132)

AR 78 0324

**Development of a Career Guidance Handbook.**
**Organization:** Massachusetts Univ., Amherst. Inst. for Governmental Services
**Address:** Boston, MA
**Descriptors:** Counseling, *Educational Policy, Guidance, *Guides, *Occupational Guidance
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 78
**Fiscal Year Funding:** $5,088
**Sponsoring Agency:** Massachusetts State Dept. of Education, Boston
**Contract and/or Control No.:** 79-397-010-010-7

The project to develop a Massachusetts career guidance handbook will be extended and expanded to better coordinate with state department staff in an effort to ensure that the document does not conflict with state policy on counseling and guidance.

AR 78 0325

**Exploratory Clusters Program in the Boston Public Schools (Continuation).**
**Organization:** Massachusetts Univ., Boston. Inst. for Governmental Services
**Address:** Boston, MA 02108
**Descriptors:** Bilingual Students, Career Choice, *Career Education, *Career Exploration, Curriculum Development, Curriculum Evaluation, Grade 9, Handicapped Students, Information Services, *Inservice Teacher Education, *Occupational Clusters, Occupational Guidance, Program Development, Secondary Education
**Identifiers:** Alliance for Career and Vocational Education
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $177,928
**Note:** This project also received $88,964 under Sec. 134 for FY 1978.
**Sponsoring Agency:** Massachusetts State Dept. of Education, Boston
**Contract and/or Control No.:** 78-397-020-174-1

This project seeks funds to continue the Exploratory Clusters Program in the Boston Public Schools to strengthen guidance and information services to improve student career decisionmaking, and to integrate occupational education in the overall curriculum. Continuation funds are sought from the Institute for Governmental Services, University of Massachusetts and the National Center for Vocational Education at Ohio State University. Ongoing and new procedures will be to (1) continue field test and implementation of the Ninth Grade Exploratory Clusters Program; (2) adapt the Exploratory Clusters Program for handicapped children; (3) adapt the Exploratory Clusters Program for Bilingual Students; (4) field test elective career course for grades 10-12; (5) offer graduate inservice course in career education; (6) develop Career Education Task Forces in each high school; and (7) involve the Boston Public Schools in the Alliance for Career and Vocational Education.

## Curriculum Development (Sec. 133)

AR 78 0326

**CEDIS Curriculum Services Center.**
**Organization:** Greater Lawrence Regional Vocational Technical School, Andover, Mass.
**Address:** Andover, MA
**Descriptors:** *Access to Education, Bilingual Students, Career Choice, *Career Education, Career Opportunities, Curriculum Development, *Curriculum Study Centers, Educational Opportunities, Information Services, *Minority Groups, *Occupational Guidance
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $75,000
**Sponsoring Agency:** Massachusetts State Dept. of Education, Boston
**Contract and/or Control No.:** 78-823-605-300-2

This project proposed to improve curriculum offerings within the occupational delivery system. The special needs of urban, rural, bilingual, female, racial minority, adult, and handicapped students will be emphasized with an eye towards increasing access to occupational education programs. Guidance and information services will be strengthened to improve student career decisionmaking. Youths and adults will be provided with more diverse educational and occupational options.

AR 78 0327

**Curriculum Coordination.**
**Organization:** Assabet Valley Regional High School, Marlboro, Mass.
**Address:** Marlboro, MA
**Descriptors:** *Academic Education, *Curriculum Planning, Handicapped Students, *High School Curriculum, High School Students, Inservice Teacher Education, Interinstitutional Cooperation, Part Time Students, *Program Coordination, Teacher Workshops, *Vocational High Schools
**Funding Period:** Start Date 1 Jan 78; End Date 30 Sep 78
**Fiscal Year Funding:** $3,200
**Sponsoring Agency:** Massachusetts State Dept. of Education, Boston
**Contract and/or Control No.:** 78-801-605-036-3

This project intends to provide curricula coordination between the occupational and academic components of the Assabet Valley Regional Valley Vocational School, which was found lacking by an evaluation team. The Marlboro, Massachusetts school seeks funds to upgrade the total educational package offered to low incidence, special needs students. Students in the program attend Assabet part-time, receiving the academic portion of their education at home high schools.

# MICHIGAN

## Research (Sec. 131)

**AR 78 0328**

**Secondary Graduate Follow-Up Survey.**
**Project Director:** Roberts, Charlie D.
**Organization:** Michigan State Dept. of Education, Lansing
**Address:** Lansing, MI 48909
**Descriptors:** Educational Trends, *Employment Potential, Employment Trends, *Graduate Surveys, High School Graduates, Job Placement, *Program Evaluation, *Vocational Adjustment, *Vocational Followup
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $38,000
**Sponsoring Agency:** Michigan State Dept. of Education, Lansing
**Contract and/or Control No.:** 31D8-2122C

The objectives of this project are to (1) use graduate responses to the survey as an evaluation tool; (2) determine what factors influence graduate employability and adjustment to the world of work; (3) assess the extent to which in school job placement activities are utilized; and (4) determine trends in employment and education. The Michigan Department of Education, in cooperation with local school districts, will make certain that each vocational education graduate will receive a survey instrument. The instrument will ask a variety of questions regarding education and employment. Data will be processed and returned to educators in the field for decision making.

## Curriculum Development (Sec. 133)

**AR 78 0329**

**Competency-Based Education Articulation Project.**
**Project Director:** Weisgerber, William
**Organization:** Delta Community Coll., University Center, Mich.; Wayne County Community Coll., Detroit, Mich.
**Address:** Detroit, MI; University Center, MI
**Descriptors:** *Articulation (Program), *College High School Cooperation, Criterion Referenced Tests, *Delivery Systems, *Performance Based Education, Postsecondary Education, Secondary Education, Student Records
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $223,464
**Sponsoring Agency:** Michigan State Dept. of Education, Lansing
**Contract and/or Control No.:** 7194

Objectives of this project are to establish formal articulation agreements between various educational agencies, and develop competency-based articulation models which will successfully demonstrate student progress toward occupational goals with all the advantages afforded by articulated programs. Each recipient of a competency-based education articulation project grant will produce an articulation agreement between the local school districts and public postsecondary institutions offering approved vocational-technical education programs. Products to be delivered will be (1) formal articulation agreements; (2) one set of tasks common to all constituent agencies; (3) a set of objective-referenced tests; (4) monthly progress reports; and (5) a common student achievement recording process.

**AR 78 0330**

**Competency-Based Education Curriculum Development Project (V-TECS).**
**Project Director:** Cook, Fred
**Organization:** Wayne State Univ., Detroit, Mich.
**Address:** Detroit, MI
**Descriptors:** Behavioral Objectives, Catalogs, Check Lists, *Criterion Referenced Tests, *Performance Based Education, Performance Criteria, Secondary Education, *Task Performance
**Identifiers:** *Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $91,838
**Sponsoring Agency:** Michigan State Dept. of Education, Lansing
**Contract and/or Control No.:** 9028A

Objectives of this project are to (1) develop catalogs of vocational-technical education performance objectives, criterion referenced test, and instructional performance guides; (2) join the Vocational-Technical Education Consortium of States; and (3) provide for technical coordination and quality control of all projects and activities dealing with V-TECS catalogs and their utilization. Each member of the Consortium of the States (i.e., Alabama, Delaware, Florida, Georgia, Indiana, Kentucky, Maryland, Michigan, Mississippi, Louisiana, South Carolina, Tennessee, Virginia, and Wisconsin) will develop two V-TECS domain catalogs during the initial phase of this effort. Each member state then will receive the catalogs of every other state. Twenty-eight catalogs will be available at the end of the funding period.

**AR 78 0331**

**Competency-Based Education Personnel Development.**
**Organization:** Saint Clair County Community Coll., Fort Huron, Mich.
**Address:** Fort Huron, MI
**Descriptors:** Administrative Personnel, *Certification, Community Colleges, Delivery Systems, *Independent Study, *Performance Based Education, Postsecondary Education, Program Development, Program Evaluation, *Staff Improvement, Teacher Evaluation, Teachers, Training, *Workshops
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $6,790
**Sponsoring Agency:** Michigan State Dept. of Education, Lansing
**Contract and/or Control No.:** 7443-1

Objectives of this project are to (1) expand the delivery system of a self-instruction for full- and part-time instructors to accomodate the product of the project; (2) expand the system of administering evaluation of instructor learning of CBE model content; (3) assist community colleges in a locally-applied management plan for delivering; implementing, and administering the inservice program; and (4) identifying the potential impact and effectiveness of the inservice program by using appropriate measures. Procedures will be to (1) conduct an awareness session for reimbursed community college occupational administrators on the concepts and program standards of quality for competency-based education; (2) train new program faculty in concepts and procedures for competency-based education; (3) train one person per community college to act as a resource person to the college to establish and conduct a program in professional development for all community college occupational faculty; and (4) provide for model resource material dissemination to community colleges.

**AR 78 0332**

**Continuous Occupational Education Program Planning between Two- and Four-Year Colleges and Universities.**
**Project Director:** Holmes, Richard G.
**Organization:** Michigan State Dept. of Education, Lansing
**Address:** Lansing, MI 48909
**Descriptors:** *Articulation (Program), *Colleges, *Community Colleges, Delivery Systems, Interagency Cooperation, *Interinstitutional Cooperation, Postsecondary Education, *Program Planning
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $96,158
**Sponsoring Agency:** Michigan State Dept. of Education, Lansing
**Contract and/or Control No.:** 7442

This project will enable individual grantees to continue to develop occupational education articulation agreements between community college and four-year institutions. The agreement will be formal written statements between two or more institutions. Further, the agreement should be subject to review and/or revision on a regular basis as needed modifications in the delivery system become apparent, or as occupational needs change. Procedures will be to (1) obtain signed memorandum of understanding by participating community college occupational education deans; (2) survey and compare inter-agency capabilities; (3) determine inter-agency institutional role statements; (4) determine program and course expansion; (5) establish inter-agency faculty curriculum committees by occupational programs; (6) develop a record-keeping system which will (a) formalize the process for documenting the student's prior education and/or experience; (b) provide a means for evaluating or accepting a wide variety of a student's formal and informal learning; (c) provide a means for the student to test out a given course, and (d) maximize the ease with which a student is placed in a learning sequence.

# MINNESOTA

## Research (Sec. 131)

**AR 78 0333**

**Adult Vocational Education Study.**
**Project Director:** Hauer, Alfred D.
**Organization:** Alexander Grant and Co., Minneapolis, Minn.
**Address:** Minneapolis, MN 55402
**Descriptors:** *Adult Education, Educational Planning, *Employer Attitudes, *Graduate Surveys, Program Effectiveness, *Program Evaluation, School Industry Relationship, *School Surveys
**Funding Period:** Start Date 15 Mar 78; End Date 15 Sep 78
**Fiscal Year Funding:** $31,700
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul
**Contract and/or Control No.:** A44-22778

The goal of this project is to conduct a study which will result in the development of sufficient qualitative data, regarding adult education, so that both the Division of Vocational-Technical Education and the Legislature can make more plans and decisions. Procedures will include: (1) prepare and field test student survey document and employee survey document; (2) conduct survey of students in selected classes within the seven basic categories from eight TVI's; (3) conduct the same survey of students that graduated three years ago; (4) conduct survey of employers of these students; and (5) interview and document findings.

**AR 78 0334**

**Adult Vocational Evening Instructor Study.**
**Project Director:** Pucel, David J.
**Organization:** Minnesota Univ., Minneapolis
**Address:** Minneapolis, MN 55455
**Descriptors:** *Adult Educators, *Educational Needs, Educational Planning, *Evening Programs, *Needs Assessment, Postsecondary Education, Surveys, *Teacher Education
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $6,735
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul. Div. of Vocational Education
**Contract and/or Control No.:** 1-130-78

This study will identify the teacher education needs of adult vocational evening instructors as perceived by the instructors themselves and their supervisors. This study will investigate whether or not there should be some type of teacher education program available for adult evening instructors; (2) determine whether that program should be different than the program currently available to postsecondary instructors; and (3) develop recommendations on the composition of that program. Procedures will include: (1) devising a needs assessment instrument to survey adult and vocational evening school instructors and their supervisors and administer the instrument and (2) analyzing the results to determine: the extent and types of needs, how the people surveyed feel the needs might be met, and the ability of the current teacher education efforts to satisfy the identified needs.

**AR 78 0335**

**Establishment of an Occupational Competency Testing Program in Minnesota.**
**Project Director:** De Rubeis, Bernard J.
**Organization:** Minnesota Univ., Duluth. Dept. of Industrial and Technical Studies
**Address:** Duluth, MN 55802
**Descriptors:** *Equivalency Tests, *Performance Tests, Program Development, *Teacher Certification, Teacher Qualifications, Testing Programs, Trade and Industrial Teachers, *Vocational Education Teachers, Work Experience, Work Sample Tests
**Funding Period:** Start Date 1 Sep 77; End Date 31 Aug 78
**Fiscal Year Funding:** $16,269
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul
**Contract and/or Control No.:** 3-R-78

This project will develop and pilot test a system for administering written and performance occupational competency tests to potential trade and industrial teachers. Ultimate outcome is that it could suffice for part of the work experience required for teacher licensure. The Department of Industrial and Technical Studies, to be designated as the Minnesota Test Center for the National Occupational Competency Testing Institute, will (1) identify and designate facilities, shops, laboratories, and related areas required for administration of tests; (2) identify and select qualified and competent personnel to administer the written and performance tests; and (3) administer tests on selected dates. The Center will operate in accordance with guidelines established by involved agencies.

**AR 78 0336**

**Minnesota Industrial Arts Study.**
**Project Director:** McCormick, Fred C.
**Organization:** Educational Management Services, Inc., Minneapolis, Minn.
**Address:** Minneapolis, MN 55435
**Descriptors:** Administrative Personnel, Administrator Attitudes, *Educational Finance, Industrial Arts, *Industrial Arts Teachers, School Surveys, Secondary School Teachers, *Standards, *State Surveys, *Teacher Attitudes, *Teacher Certification, Teacher Educators
**Funding Period:** Start Date 1 Jan 78; End Date 15 Jun 78
**Fiscal Year Funding:** $9,982
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul
**Contract and/or Control No.:** 011378

The objectives include identifying, delineating, and clarifying the opinions, attitudes, and perceptions of junior and senior high school industrial arts teachers, secondary school administrators, and industrial arts teacher educators in Minnesota, on issues including: standard certification state supervision, minimum opportunity requirements, and funding of industrial arts education. A Minnesota Industrial Arts Study Steering Committee was formed, representative of the Minnesota State Department of Education, the Minnesota Industrial Arts Association (MIAA) and the Minnesota Industrial Teacher Educators (MITE). Statewide survey instrumentation was developed, field tested, and administered to survey approximately 1,600 Industrial Arts teachers, 60 teacher educators, and 200 secondary principals.

**AR 78 0337**

**Minnesota Research and Development Center for Vocational Education Research (Basic Grant).**
**Organization:** Minnesota Univ., St. Paul. Research and Development Center for Vocational Education
**Address:** Minneapolis, MN 55455
**Descriptors:** Ancillary Services, *Career Education, *Educational Improvement, Educational Innovation, *Educational Research, *Information Dissemination, *Instructional Materials, Program Development, *Research and Development Centers, Technical Assistance
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $142,911
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul
**Contract and/or Control No.:** 1-R-78

Objectives of the project are to (1) stimulate and facilitate innovative research related efforts; (2) increase the number and improve the competencies of producers and consumers of career and/or vocational education research and research related materials; (3) disseminate research and research related information to assist research and development efforts and to facilitate the implementation of worthy educational innovations; and (4) create knowledge and transportable products or processes that have potential for long-range and general qualitative improvements in vocational and/or career education programs. The MRDC conducts a program of continuing research and developmental efforts based on an annual work plan prepared in consultation with several groups and agencies. It contains the programs and projects that the various groups consulted agreed are of highest priority to the state. The work plan is organized by continuing functions, the programs designed to carry out each function, and the specific projects to be conducted as part of each program of research. Estimated costs for each function and program are listed.

**AR 78 0338**

**State-Wide Assessment of Perceived Need for Additional Job Training beyond High School.**
**Project Director:** Copa, George
**Organization:** Minnesota Univ., Minneapolis. Research and Development Center

**Address:** Minneapolis, MN 55455
**Descriptors:** Adults, Data Analysis, *Educational Needs, *Individual Needs, *Job Training, *Needs Assessment, Postsecondary Education, Questionnaires, *Self Evaluation, *State Surveys, Young Adults
**Funding Period:** Start Date 1 Oct 77; End Date 31 Dec 77
**Fiscal Year Funding:** $13,512
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul
**Contract and/or Control No.:** 4-R-78

A questionnaire distributed to and interviews with a random sample of Minnesota residents aged sixteen and above will provide information on the population's self-perceived needs for additional job-related training. A statistical report and selected studies will be prepared; a final report will be disseminated.

## Exemplary and Innovative (Sec. 132)

### AR 78 0339

**Joint Opportunity for Building Success (JOBS). A Component of the Women in Nontraditional Vocational Education Project.**
**Project Director:** Hyllested, Janet; Dunn, Ed
**Organization:** Red Wing Area Vocational Technical Inst., Minn. Div. of Vocational Technical Education
**Descriptors:** Dropout Prevention, *Females, *Group Counseling, Job Placement, Nondiscriminatory Education, *Nontraditional Occupations, Program Design, *Program Development, Sex Fairness, *Student Problems, Student Recruitment, *Success Factors
**Funding Period:** Start Date 1 Jul 77; End Date 30 Sep 78
**Fiscal Year Funding:** $2,000
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul
**Contract and/or Control No.:** 1-E-78

A model will be developed for the analysis and alleviation of problems occurring when women enroll in previously all-male vocational training programs in order to increase the number of women who enroll in and complete nontraditional programs and are subsequently placed in jobs for which they trained. Interviews will be conducted with women enrolled in such programs and their male counterparts to determine the problems they encounter. Programs and procedures will then be designed to respond to these problems. All women enrolled in nontraditional programs will be encouraged to meet as a group on a regular basis to discuss their difficulties and frustrations and develop ways to deal with their problems. The meetings will also be attended by the project's major researcher and school counselors. It is hoped that the findings will be transferable to those programs generally taught by female instructors in which male enrollment is nominal.

### AR 78 0340

**Northeastern Vocational Operating Board (NEVO).**
**Project Director:** Morkved, Ronald
**Organization:** Independent School District 709, Duluth, Minn.
**Address:** Duluth, MN 55802
**Descriptors:** *Cooperative Planning, Curriculum Planning, Educational Needs, Educational Programs, Labor Unions, *Management Information Systems, *Manpower Needs, *Program Development, Program Evaluation, Public Relations, *Regional Planning, *School Industry Relationship
**Funding Period:** Start Date 1 Jul 77; End Date 30 Sep 78
**Fiscal Year Funding:** $24,000
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul
**Contract and/or Control No.:** 2-R-78

The objectives of this project are to (1) provide a means for input on a cooperative basis concerning the vocational education delivery system; (2) define the specific present and future manpower needs of business and industry on a regional basis; (3) assist the regional AVTIs (Eveleth, Hibbing and Duluth) in developing training programs to meet short and long term identified regional needs; (4) conduct a review of regional AVTI training programs to determine curriculum and manpower strengths and deficiencies as per regional needs; (5) develop recommendations for the establishment of "Industry Major(s)" at each of the regional AVTI; (6) coordinate the development of new training programs; and (7) develop a public information effort designed to improve public awareness of opportunities in vocational education. Under direction of the NEVO Board, project staff will provide a coordinated direction to the development and implementation of a regional vocational training approach relative to effectively meeting the immediate and future manpower needs of area businesses and industry. The board will be composed of representatives of regional leaders in business and industry, labor, and elected board members of the three AVTIs.

### AR 78 0341

**Programed Logic for Automated Teaching Operations (PLATO)–Phase II.**
**Project Director:** Enz, Pat
**Organization:** Red Wing Area Vocational Technical Institute, Minn.
**Address:** Red Wing, MN 55066
**Descriptors:** *Computer Assisted Instruction, *Concept Teaching, Curriculum Development, *Diagnostic Teaching, Educational Needs, Individualized Curriculum, *Individualized Instruction, Learning Activities, *Performance Based Education, Problem Solving, Programed Materials
**Identifiers:** Programed Logic for Automated Teaching Operations
**Funding Period:** Start Date 1 Aug 77; End Date 30 Jul 78
**Fiscal Year Funding:** $28,792
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul
**Contract and/or Control No.:** 2-E-78

The objectives are to (1) provide the student with a wide variety of exercises that will help him/her memorize facts, comprehend concepts, and master skills; (2) present material to the student and then check for comprehension by requiring feedback; (3) provide complex interaction opportunities through questions and answers in the dialogue mode; (5) present a laboratory-type environment that permits experimentation with alternate solutions; and (6) provide solutions to a wide variety of problems through the problem solving mode. Each student will be guided through a curriculum using a learning path that is appropriate for him/her. This may also require reading assigned books, viewing films, or other types of learning activities. The educational needs of students will be diagnosed by pretesting and appropriate learning activities will be prescribed based on the pretest results. Records of student achievement will be maintained on the computer for use in evaluating each student's progress as well as the effectiveness of the material.

### AR 78 0342

**Provision of Occupational and Student Program Consultant Services for Chemical Dependency in Minnesota Area Vocational-Technical Institutes.**
**Project Director:** Wiklund, Clifford
**Organization:** Independent School District 709, Duluth AVTI, Minn.
**Address:** Lake Avenue and Second Street, Duluth, MN 55802
**Descriptors:** Ancillary Services, *Area Vocational Schools, *Consultation Programs, *Drug Addiction, *Drug Education, Inservice Programs, Postsecondary Education, Program Development, *Sociopsychological Services, *Technical Assistance
**Funding Period:** Start Date 30 Jan 78; End Date 31 Dec 78
**Fiscal Year Funding:** $30,000
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul
**Contract and/or Control No.:** 3-E-78

The project will provide (1) educational programs to increase instructor/student and employer/employee awareness of chemical dependency; (2) consultative and technical assistance in establishing school policy and procedures regarding student and employee chemical dependency; (3) consultative and technical assistance in establishing appropriate inservice programs for staff and employees of AVTI's; and (4) consultative and technical assistance in identification of and working with qualified service providers located in the appropriate AVTI service area. Procedures will be to (1) identify receptive AVTI's who desire an assistance program and provide them with information; (2) conduct research, outreach, and promotional efforts to increase OSPC service visibility; (3) assist AVTI's in establishing a system of identification, referral, and followup for students and employees, and assist in development of written policies and procedures for individual AVTI programs; and (4) assist AVTI's in identifying and coordinating appropriate, qualified community providers and services for the evolving stages of the program.

### AR 78 0343

**Vocational Youth Group Energy Workshop.**
**Project Director:** Rosenwinkel, Howard
**Organization:** Anoka-Hennepin School District 11, Anoka, Minn.
**Address:** Box 191, Anoka, MN 55303
**Descriptors:** *Energy, *Energy Conservation, Participant Involvement, *Student Organizations, Student Participation, *Student Projects, *Workshops, *Youth Clubs, Youth Leaders, Youth Programs
**Funding Period:** Start Date 1 May 78; End Date 30 Jun 78
**Fiscal Year Funding:** $1,600
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul. Div. of Vocational Education
**Contract and/or Control No.:** 4-E-78

Project objectives are to (1) provide vocational youth group officers and executive secretaries with an overview of the energy situation in this country; (2) provide planning sessions for developing youth group projects related to solving energy problems; and (3) assist in implementing the planned projects. A two-day conference and workshop for state officers and executive secretaries will be held to accomplish these objectives. The participation of recognized energy leaders will assist in accomplishing the agenda.

## Curriculum Development (Sec. 133)

**AR 78 0344**

**Adult Energy Curriculum Development.**
**Project Director:** Weiser, William
**Organization:** Independent School District 535, Rochester AVTI, Minn.
**Address:** 1926 Southeast Second Street, Rochester, MN 55901
**Descriptors:** *Adult Education, Audiovisual Aids, *Consumer Education, Curriculum Development, *Energy Conservation, *Inservice Teacher Education, *Instructional Materials, *Needs Assessment, Postsecondary Education, Secondary Education
**Funding Period:** Start Date 15 Dec 77; End Date 30 Sep 78
**Fiscal Year Funding:** $32,535
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul
**Contract and/or Control No.:** 3-CD-78

Objectives are to (1) assess needs for adult consumer energy education; (2) compile information on existing consumer energy education courses in Minnesota and other states; (3) develop curriculum and audiovisual materials for adult consumer energy courses; (4) provide a vehicle for inservice and updating of adult consumer energy instructors; and (5) provide assistance to regular secondary and postsecondary instructors for integrating consumer energy education into regular curriculum. Procedures are to (1) survey adult directors to assess needs and existing courses; (2) develop needed curriculum; (3) pilot-test curriculum with adult classes in a metro and rural setting; (4) offer inservice training for adult consumer instructors from AVTI'S; (5) monitor results of program offerings around Minnesota; and (6) provide curricula training to regular programs.

**AR 78 0345**

**Adult Energy Curriculum Development.**
**Organization:** Special Intermediate District 287, Suburban Hennepin AVTI, Minneapolis, Minn.
**Address:** 1820 North Xenium Lane, Minneapolis, MN 55441
**Descriptors:** *Adult Education, Audiovisual Aids, *Building Conversion, Curriculum Development, *Energy Conservation, *Inservice Teacher Education, *Instructional Materials, *Needs Assessment, Postsecondary Education, Secondary Education
**Funding Period:** Start Date 1 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $24,450
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul
**Contract and/or Control No.:** 2-CD-78

The objectives are to (1) assess needs for introductory technical curriculum in building retro-fit; (2) compile information on existing building retro-fit courses; (3) develop curricula and audiovisual materials for adult building retro-fit courses; (4) provide inservice for Minnesota AVTI's on the developed curricula and materials; and (5) provide assistance to regular secondary and postsecondary programs in retro-fit of buildings for purposes of integration into regular curricula. Procedures will include: (1) surveying adult directors and private industry for existing materials and needs; (2) developing curricula; (3) pilot-testing curricula within own establishment; (4) providing inservice training to a minimum of one instructor from each AVTI in implementation and use of the curricula; and (5) monitoring results of local offerings around the state.

**AR 78 0346**

**Special Needs.**
**Project Director:** Sunnarborg, Thomas
**Organization:** Bemidji State Univ., Minn.
**Address:** Bemidji, MN 56601
**Descriptors:** *Curriculum Design, Curriculum Development, *Delivery Systems, Exceptional Persons, Information Dissemination, *Inservice Teacher Education, *Preservice Education, Resource Materials, *Special Education, *Teacher Education Curriculum, Vocational Education Teachers
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $43,670
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul
**Contract and/or Control No.:** 1-CD-78

The project will develop curriculum appropriate for preservice and inservice of vocational teachers in the priority area of special needs populations and develop and implement a dissemination system for vocational teachers of such curriculum on a statewide basis. Curriculum material and dissemination procedures will be developed by a planning and development procedure which includes the components of: needs assessment, definition of component parts, design of curriculum, development of prototype materials, field testing of materials, and dissemination on a statewide basis.

**AR 78 0347**

**Woodburning Presentation Development and Inservice Workshops.**
**Organization:** Special Intermediate School District 916, White Bear Lake, Minn.
**Address:** 3554 White Bear Avenue, White Bear Lake, MN 55110
**Descriptors:** Curriculum Development, *Energy Conservation, *Fuel Consumption, Fuels, Heating, *Inservice Teacher Education, *Instructional Materials, *Slides, *Teacher Workshops, Technical Assistance, Vocational Education Teachers
**Identifiers:** Woodburning Equipment
**Funding Period:** Start Date 27 Mar 78; End Date 30 Sep 78
**Fiscal Year Funding:** $7,000
**Sponsoring Agency:** Minnesota State Dept. of Education, St. Paul. Div. of Vocational Education
**Contract and/or Control No.:** 4-CD-78

Objectives are to (1) develop a presentation and course on use of wood as an alternate fuel; (2) develop slide presentations which correlate with above course; (3) furnish 38 copies of slide presentation, complete with trays, cassettes, and scripts; and (4) provide two regional workshops for inservice of AVTI instructors as selected by Adult Vocational Directors. A consultant will be hired to develop materials and scripts and present the workshop. MIMC will provide technical assistance in developing slide presentations and reproduction thereof.

# MISSISSIPPI

## Research (Sec. 131)

**AR 78 0348**

**Identification of Competencies Performed by Local Vocational Administrators in Mississippi.**
**Project Director:** Simmons, Kenneth L.
**Organization:** Alcorn State Univ., Lorman, Miss.
**Address:** Lorman, MS 39096
**Descriptors:** *Administrator Characteristics, *Administrator Education, *Administrator Qualifications, Curriculum Research, Educational Programs, *Individualized Instruction, *Learning Modules, Performance Based Education, Surveys, *Task Analysis
**Funding Period:** Start Date 15 Jun 78; End Date 30 Sep 78
**Fiscal Year Funding:** $29,802 (Charged to FY 1977)
**Sponsoring Agency:** Mississippi State Dept. of Education, Jackson

The major focus of this study is to identify and analyze competencies needed by local vocational administrators, and to develop an administrative model for training local vocational administrators in Mississippi. Enabling objectives will be to (1) identify competencies needed by local vocational administrators nationally; (2) validate competencies needed by local vocational administrators; (3) survey selected characteristics of local vocational administrators; (4) organize competencies needed in terms of relative amount of time spent performing each competency and the appropriate sequence; and (5) ascertain the most frequently requested innovative strategy for training administrators as recommended by local vocational administrators. An inventory of competencies needed by local vocational administrators will be developed through an extensive review of related literature which will be reviewed by a panel of selected consultants in a workshop. A questionnaire will be developed, mailed to local vocational administrators, and returns will be analyzed. Results will be critiqued by another panel of consultants in a workshop where competency lists will be compared with those developed in other states and will be organized into a teaching sequence. Products will include self-paced training in module form, designed primarily for vocational administrators in Mississippi, but applicable to vocational administrators in general.

**AR 78 0349**

**Manpower Improvement Project.**
**Project Director:** Lewis, J. W.
**Organization:** Mississippi State Dept. of Education, Jackson. Div. of Vocational and Technical Education
**Address:** P.O. Box 771, Jackson, MS 39205
**Descriptors:** Data Collection, *Economic Change, Economic Development, *Educational Planning, *Information Systems, *Information Utilization, Inservice Programs, Job Market, Manpower Development, *Manpower Needs, Population Growth, *Regional Planning
**Funding Period:** Start Date 19 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $5,000 (Charged to FY 1977)
**Sponsoring Agency:** Mississippi State Dept. of Education, Jackson

Objectives of this project are to (1) develop a regional system for identifying and using data related to change and growth in the Southeastern United States which the states can use in planning relevant programs of vocational education to support full employment and economic development; and (2) conduct a regional program of inservice training for state directors and staffs of vocational education about the use and location of information related to economic change, population growth, manpower production and the assessment of employment needs. The project will be conducted through an agreement between the Southern Association of Colleges and Schools and eight states comprising Region IV of USOE. Baseline data and factual information will be gathered, and a handbook of regional and state-by-state data; information will be assembled concerning current and projected economic demographic, growth, finance, business and industrial development and productivity, energy, transportation and resource trends in the Southern United States. These data and information items will be selected and analyzed in terms of their relevancy to the planning of vocational education in the South in general and specifically in terms of the states comprising Region IV, USOE.

**AR 78 0350**

**Vocational-Technical Education Consortium of States (V-TECS).**
**Project Director:** Shill, James F.
**Organization:** Mississippi State Univ., Mississippi State
**Address:** Drawer DX, Mississippi State, MS
**Descriptors:** *Behavioral Objectives, *Catalogs, Check Lists, *Criterion Referenced Tests, *Performance Based Education, Performance Criteria, Secondary Education, *Task Performance
**Identifiers:** *Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $15,000 (Charged to FY 1977)
**Sponsoring Agency:** Mississippi State Dept. of Education, Jackson

A catalog of performance objectives, criterion-reference measures, and performance guides will result from this project. Workers in selected jobs will be interviewed to develop a preliminary list of tasks, equipment, and tools. Survey data from a sample of workers will be analyzed to determine catalog content. Writing team members will be selected and trained, and curriculum and instructional personnel will field review the catalog prior to its publication and distribution to member states. The catalog may be used as a blueprint for competency-based curriculum.

## Exemplary and Innovative (Sec. 132)

**AR 78 0351**

**Career Preparation Programs for Potential Agribusinessmen, Agricultural Agency Employees, and Agricultural Instructors (Continuation).**
**Project Director:** Oren, John W., Jr.
**Organization:** Mississippi State Univ., Mississippi State. Dept. of Agricultural and Extension Education
**Address:** Mississippi State, MS 39762
**Descriptors:** Adult Education, *Agribusiness, Agricultural Education, *Agricultural Occupations, Extension Agents, *Inservice Teacher Education, Instructional Materials, *Program Development, Teacher Orientation, *Vocational Agriculture, *Vocational Agriculture Teachers
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $21,105
**Sponsoring Agency:** Mississippi State Dept. of Education, Jackson
**Contract and/or Control No.:** RCU-EX-78-01

The objectives of the project are to (1) continue in the establishment of specialized career preparation programs in agriculture; (2) continue orientation of teachers in the conduct of the specialized programs; (3) assist teachers in obtaining and using needed instructional materials; and (4) provide assistance to teachers in the establishment and conduct of adult programs. The procedures involve a continuation of the project previously initiated in the public schools. Individual, small group, and workshop instructional sessions will be used. Instructional materials will be obtained and used as needed in the programs. All activities in the project will be jointly carried out or carried out in close consultation with supervisory personnel in agriculture with the State Department of Education.

**AR 78 0352**

**Demonstration of a System to Facilitate the Elimination of Sex Stereotyping and Sex Bias in Local Vocational Programs.**
**Project Director:** Mathews, Walter
**Organization:** Center for the Study of Contemporary Rural Women, Inc., University, Miss.
**Address:** P.O. Box 3645, University, MS 39677
**Descriptors:** *Audiovisual Aids, Demonstrations (Educational), *Material Development, *Media Selection, School Community Relationship, School Industry Relationship, *Sex Discrimination, Sex Fairness, *Sex Stereotypes, *Student Attitudes, Teacher Improvement
**Funding Period:** Start Date 15 Apr 78; End Date 30 Sep 78
**Fiscal Year Funding:** $38,333 (Charged to FY 1976)
**Sponsoring Agency:** Mississippi State Dept. of Education, Jackson

Objectives of this project are to (1) select appropriate methodologies and materials from among currently available materials; (2) modify such materials and methodologies to focus on the concerns of vocational-technical education; and (3) use consultants to develop and integrate the media, materials and methodologies into products, including a user's manual, film strips or slide/-

tape presentations, audio materials, and attitude assessment instruments. Input from school personnel and community and industrial leaders will be solicited in developing and/or modifying materials and methodologies. Vocational-technical teachers will be prepared in the use of the final package and a two-session demonstration for students will be conducted in a vocational-technical center. Camera-ready copies of all printed product materials will be available upon project completion. Guidance counselors will have a major involvement in the implementation of this program. Pretesting and post-testing of students will be administered, as will knowledge and attitude instruments. A time-series evaluation plan measuring student attitude and behavior will be available.

AR 78 0353

**Development of a Placement and Follow-Up System for Vocational Education within a Junior College District.**

**Project Director:** Hood, William H.
**Organization:** Golden Triangle Vocational-Technical Center, Columbus, Miss.
**Address:** P.O. Box 789, Columbus, MS
**Descriptors:** Articulation (Program), Employment Services, *Job Placement, *Junior Colleges, *Occupational Guidance, *Program Development, School Industry Relationship, *Vocational Counseling, *Vocational Followup
**Funding Period:** Start Date 1 May 78; End Date 30 Sep 78
**Fiscal Year Funding:** $28,055 (Charged to FY 1976)
**Sponsoring Agency:** Mississippi State Dept. of Education, Jackson

Objectives of this project are to (1) adapt/adopt, and demonstrate an ongoing junior college placement and follow-up system; (2) establish a comprehensive employability skills training package; (3) gain articulation between business, industry, secondary vocational centers, and the placement service and establish coordination of employers' needs and student availability for employment; (4) establish a vaiable method of follow-up procedures for evaluating on-the-job performance and employer satisfaction with previous training; (5) establich an evaluation program that will assess the results of the placement and follow-up system; (6) establish an orientation system for secondary vocational guidance counselors and directors in the east Mississippi State Junior College District; and (7) provide a demonstration program for all junior college vocational counselors in the state. A league of employers will be established to provide supply-and-demand data from area schools and job opportunities in business and industry; and orientation of district counselors and directors to proposed operation will be held. Career counseling will be conducted for program graduates who are unemployed or employed in a field not related to their training. An employer-employee evaluation instrument will be developed and an evaluation of successful and nonsuccessful students will be conducted. The instrument will be used by previous students currently employed. An inservice training program for all junior college vocational guidance counselors in the state will be conducted.

AR 78 0354

**Exemplary Program for Individualized Instruction in Distributive Education in Mississippi.**

**Project Director:** Patton, James E.
**Organization:** Mississippi State Univ., Mississippi State
**Address:** Drawer DX, Mississippi State, MS 39762
**Descriptors:** *Distributive Education, *Individualized Instruction, *Inservice Teacher Education, *Instructional Materials, *Performance Based Education, Program Development, Program Effectiveness, Program Evaluation, Teacher Workshops
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $12,600 (Charged to FY 1976)
**Sponsoring Agency:** Mississippi State Dept. of Education, Jackson

The purpose of this project is to provide competency-based, self-paced individualized instruction for DE students by joining IDECC and purchasing the IDECC LAP's. This is to be accomplished by (1) making IDECC LAP's available to approximately twenty-five DE teachers; (2) providing inservice training on how to effectively utilize the IDECC materials; (3) providing participants with instructions on using criterion-referenced materials and on the development of IDECC LAP system and related instructional components; (4) providing participants with instruction on the selection and use of IDECC LAP's in DE classrooms; (5) providing follow-up and inservice instruction to participating teachers; and (6) evaluating the effectiveness of the program. The initial step in this project was for the state of Mississippi to join IDECC and thereby become eligible to receive the IDECC LAP's and related components at a forty percent discount. After this was accomplished, twenty-five exemplary sites were chosen by the state supervisor of distributive education. Sites were chosen based on type of instructional programs, geographical location and other demographic variables, and teachers' qualifications. A three-day workshop was conducted to accomplish objectives two, three, and four listed above. Each participant was provided with a complete set of IDECC LAP's, a set of LAP labels, a set of labels by competency number, a set of curriculum organizers, and 1000 file folders. The implementation phase of the program will consist of integrating the materials into the instructional program of the selected schools. During this phase, teachers will be closely supervised by State Department of Education personnel.

# MISSOURI

## Research (Sec. 131)

**AR 78 0355**

**Assisting Vocational Educators in Mainstreaming Handicapped Students in Area Vocational Schools.**
**Project Director:** Brolin, Donn E.
**Organization:** Missouri Univ., Columbia. Coll. of Education
**Address:** 6 Hill Hall, Columbia, MO 65201
**Descriptors:** Area Vocational Schools, *Educational Resources, *Handicapped Students, Inservice Programs, *Mainstreaming, Normalization (Handicapped), *Resource Staff Role, School Surveys, Skill Analysis, *Staff Improvement, *Technical Assistance, Vocational Education Teachers
**Funding Period:** Start Date 16 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $13,705
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 1375

This study will examine the need for and specific roles of a special vocational resource specialist (SPVRS) to assist vocational educators in mainstreaming handicapped students into area vocational schools and community settings. Two field advisory committees, composed of administrators and teachers, will be established to provide input into the developmental aspects of the study. Based on their input and a review of exemplary projects and programs, a field questionnaire will be designed and distributed to all faculty in cooperating schools. The advisory committees will assist in using this data to identify specific roles of the proposed SPVRS as well as those competencies needed to assume this role. Project staff will then develop an administrator orientation guide and a resource materials guide for use by state and local administrators in implementing the proposed model. Teachers will be offered inservice programs and consultative services as needed.

**AR 78 0356**

**Careers in Criminal Justice Slide Presentation.**
**Project Director:** Colter, Norman C.
**Organization:** Saint Louis Community Coll. at Meramec, Mo.
**Address:** Saint Louis, MO 63122
**Descriptors:** Business, *Career Development, *Career Opportunities, *Community Colleges, Educational Opportunities, Government Employees, Industry, *Job Search Methods, Junior Colleges, Service Occupations, *Student Seminars
**Funding Period:** Start Date 9 Jan 78; End Date 17 Feb 78
**Fiscal Year Funding:** $700
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 2275

The Careers in Criminal Justice slide presentation will introduce and inform students of the various careers available to them, residents of the Greater St. Louis Area, in the Criminal Justice field on local, state, and federal levels. The audio-visual, color slide presentation analyzing the various careers available to students in the Criminal Justice field will be photographed, developed, edited, and produced. Approximately 35 agencies, institutions, and careers will be included in the presentation representing vocational opportunities on local, state, and federal levels.

**AR 78 0357**

**Community Occupational Survey.**
**Project Director:** Burns, E. Dean
**Organization:** Northwest R-I School District, House Springs, Mo.
**Address:** House Springs, MO 63051
**Descriptors:** *Business, *Community Surveys, *Cooperative Education, *Cooperative Programs, Data Analysis, *Feasibility Studies, Measurement Instruments, *Occupational Surveys
**Funding Period:** Start Date 2 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $700
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 2271

The goal of this project is to develop a model survey instrument to be used in determining the feasibility of initiating a cooperative vocational education. A survey instrument appropriate for small business will be developed and disseminated. The data received will be abalyzed using frequencies and percentages.

**AR 78 0358**

**Comparison of Reading Readiness of Vocational-Technical Students and the Success Attained in These Courses.**
**Project Director:** Sherrell, Eugene G.
**Organization:** Southwest Missouri State Univ., Springfield
**Address:** Springfield, MO 65802
**Descriptors:** *Academic Achievement, Admission Criteria, *Reading Level, Reading Material Selection, *Reading Readiness, *Reading Readiness Tests, Secondary Education, *Student Evaluation, Student Improvement
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $6,170
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 1363

The project will compare the reading level of students enrolled in vocational classes with the material assigned in these classes to the successful completion of their occupational course of study. Procedures will include: (1) contact and give a standardized reading skill test to all students currently enrolled in the courses of the area vocational-technical schools located in West Plains, Springfield, and Nevada; (2) identify the materials used to supplement the reading assignments by the various teachers of the courses offered in the area vocational-technical schools located in West Plains, Springfield, and Nevada; (3) compare the student reading level with the reading level of the material assigned; (4) compare the student reading level with success in completing the course of study; (5) interview guidance counselors of selected sending schools to identify methods that affect student selection for vocational education; (6) develop an evaluation scale the vocational teacher of any subject may use to evaluate the material they assign the students to read; and (7) prepare and send a report of the findings, including the reading evaluation device, to all vocational teachers and guidance counselors.

**AR 78 0359**

**Determination of Missouri Home Economics Teachers' Training Needs Related to Instruction.**
**Project Director:** Martin, Betty B.
**Organization:** University of Missouri-Columbia
**Address:** Columbia, MO 65201
**Descriptors:** *Consumer Education, Educational Resources, *Enrollment, Enrollment Projections, *Handicapped Students, *Inservice Teacher Education, *Needs Assessment, *Occupational Home Economics, Surveys
**Funding Period:** Start Date 30 Jan 78; End Date 5 Jun 78
**Fiscal Year Funding:** $700
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 2277

The objectives of this project are to (1) determine the types and numbers of handicapped students presently enrolled in consumer and occupational home economics; (2) estimate the possible increase in types and numbers of handicapped that may be enrolled in home economics programs in the next three years; (3) assess the need for inservice credit and non-credit workshops to provide training for home economics teachers in working with the handicapped; (4) determine the number of home economics teachers interested in participating in a summer on-campus workshop to provide training for working with the handicapped; (5) determine the extent to which teaching aides are being provided to assist with the teaching of handicapped in home economics; (6) determine the extent to which home economics teachers will be responsible for training the teaching aides; and (7) assess the need for resources to assist the home economics teacher with teaching the handicapped. A questionnaire will be developed, refined, and sent to occupational and consumer home economics teachers in Missouri. The data will be analyzed by computer to determine frequencies, percentages, and significant differences as to location of types of handicapped students and the home economics programs in which they are enrolled.

**AR 78 0360**

**Develop a File Guide for Job Development/Job Placement Programs.**
**Project Director:** Rumburg, W. S.
**Organization:** Mineral Area Coll., Flat River, Mo.
**Address:** Flat River, MO 63601

**Descriptors:** Area Vocational Schools, *Community Colleges, *Guidelines, *Information Storage, Job Development, *Job Placement, Junior Colleges, *Needs Assessment, *Recordkeeping
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $700
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 2270

The objective of the project is to develop a set of guidelines usable for job placement filing sytems. A survey of the placement personnel in Missouri's community colleges and area vocational schools to determine need and present status of filing systems for job placement and development will be conducted. A filing system under the direction of placement personnel and other appropriate persons will be developed. The guidelines will be distributed to all community colleges and area vocational schools.

### AR 78 0361

**Development of a Model for Distributive Education Programs in Area Vocational-Technical Education Schools.**
**Project Director:** Elias, John
**Organization:** University of Missouri-Columbia. Academic Support Center
**Address:** Columbia, MO 65201
**Descriptors:** *Area Vocational Schools, Demonstration Programs, *Distributive Education, Educational Planning, *Models, *Program Development, Secondary Education
**Funding Period:** Start Date 1 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $16,115
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 1371

This project proposes to develop a model for the development of Programs of Distributive Education in the area vocational-technical schools of Missouri. A task force of vocational directors, Distributive Education teacher/coordinators, Missouri business leaders, State Department staff, and University of Missouri-Columbia staff will review data regarding programs in other states, visit the most promising programs personally, synthesize this information, and develop a model for Missouri programs.

### AR 78 0362

**Development of Career Program Directory.**
**Project Director:** Carlock, Philip D.
**Organization:** Saint Louis Community Coll. at Forest Park, Mo.
**Address:** Saint Louis, MO 63110
**Descriptors:** Community Colleges, *Directories, *Information Dissemination, *Occupational Choice, *Occupational Information, Postsecondary Education, *Reference Materials, Secondary Education, *Vocational Counseling
**Funding Period:** Start Date 1 Dec 77; End Date 31 May 78
**Fiscal Year Funding:** $658
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 2274

This project will provide the undeclared vo-tech student with information which will allow him/her to select a major and make an occupational choice. Procedures will include: (1) in cooperation with the Counseling Resource Committee, collect information of interest to the undeclared student; (2) distribute information to the undeclared student and high school counselors in the St. Louis area; and (3) evaluate materials by surveying 100 students and reduce the number of undeclared students by five percent.

### AR 78 0363

**Development of Off-Farm Supervised Occupational Experience Program Materials for Vocational Agriculture Students.**
**Descriptors:** Curriculum Development, *Instructional Materials, *Material Development, *Off Farm Agricultural Occupations, *Vocational Agriculture, *Work Experience Programs
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $10,710
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 1373

The objectives of this project are to (1) develop a record book for use by off-farm agriculture students; (2) develop procedures and materials for agriculture teachers to use with employers and students in preparing training agreements and training plans; and (3) develop teaching units on planning and conducting off-farm supervised occupational experience programs. Procedures include: (1) review of literature; (2) form and organize advisory group for consulting purposes; (3) prepare materials; (4) review and revise materials based upon recommendations of the advisory group; and (5) print and distribute materials to Missouri agriculture teachers, supervisors, and teacher trainees.

### AR 78 0364

**Effects of Noise on Reading Comprehension and Task Completion Time.**
**Project Director:** Jewell, Larry R.
**Organization:** University of Missouri-Columbia
**Address:** 111 Agricultural Engineering Building, Columbia, MO 65201
**Descriptors:** *Acoustics, *Educational Experiments, *Reading Comprehension, *School Shops, Student Evaluation, *Task Performance, Time Factors (Learning)
**Identifiers:** *Noise Pollution
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $700
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 2279

The objectives of this project are to (1) identify and review materials which relate to the evaluation of the effects on noise on the learning process; (2) analyze the extent that reading comprehension is affected by increasing sound intensity; (3) determine to what extent the time required for the completion of a task is affected by increasing sound intensities; and (4) recommend appropriate considerations for the control of noise pollution in vocational shops and laboratories. This study will be conducted as a post-test-only control group experiment utilizing a 2 x 2 factorial design. The design requires randomization of the groups, and therefore, provides maximum control of the relevant extraneous internal variables.

### AR 78 0365

**Effects of Vocational Education Programs and Affective Work Competencies Inventory Assessment Feedback on Student Achievement of Affective Work Competencies.**
**Project Director:** Kazanas, H. C.
**Organization:** University of Missouri-Columbia
**Address:** 103 Industrial Engineering Building, Columbia, MO 65201
**Descriptors:** *Affective Behavior, Educational Experiments, Employee Attitudes, Employment Potential, *Employment Qualifications, Individual Characteristics, Program Evaluation, *Skill Analysis, *Student Attitudes, *Student Evaluation, *Work Attitudes
**Funding Period:** Start Date 1 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $9,565
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 1368

The objectives of this project are to (1) identify the affective competency requisites (criterion levels) for selected occupations and/or occupational clusters represented in Missouri; (2) determine the extent to which Missouri's vocational education programs assist students' acquisition of desirable affective work competencies (characteristics); and (3) ascertain the effect of AWCI-feedback on the development of affective work competencies by vocational education students in Missouri. Data will be collected from four groups of individuals utilizing the Affective Work Competencies Inventory. the four groups will include: (1) representative samples of employed (model) workers within each occupational-classification cluster; (2) representative sample of senior academic students; (3) representative sample of senior vocational students; and (4) representative sample of senior vocational students receiving comprehensive AWCI-assessment feedback. The vocational and non-vocational students will be compared in terms of their achievement on affective work competencies and the vocational students in the experimental group will be compared with the control group in terms of the effect of AWCI-assessment feedback.

### AR 78 0366

**Field Validation of the Career Education Curriculum Project Modules–Phase II: Grades K-6 Field Validation and Grades 7-12 Instrument Development.**
**Project Director:** Wellman, Frank
**Organization:** Missouri Univ., Columbia
**Address:** Columbia, MO 65201
**Descriptors:** *Academic Achievement, *Career Education, Data Analysis, Elementary Secondary Education, *Field Studies, Learning Modules, *Measurement Instruments, Performance Criteria, *Program Validation, *Test Construction
**Funding Period:** Start Date 1 Sep 77; End Date 31 Aug 78
**Fiscal Year Funding:** $20,799
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City

This project intends to (1) utilize field sites to collect career education data for experimental/control groups in K-6; (2) analyze data and provide a summary report on K-6 field validation for C.E.C.P; (3) develop performance objectives and test items to assess pupil achievement of career education outcomes from module instruction in grades 7-12; and (4) develop process instruments to evaluate the curriculum module concepts, materials, and procedures for grades 7-12. The procedures in Phase II will be to (1) utilize selected rural and urban sites to collect experimental and control data for analysis; (2) construct test items; (3) develop administrative procedures; and (4) field test

item validity and reliability and substantiate or modify the C.E.C.P. products based on this information.

AR 78 0367

**Investigation of Consumer Course Content, Methodology, and Related Needs of Consumer Education Teachers in Missouri.**
**Project Director:** Martin, Betty B.
**Organization:** University of Missouri-Columbia
**Address:** 309 Gwynn Hall, Columbia, MO 65201
**Descriptors:** *Consumer Education, *Content Analysis, *Course Content, Curriculum Evaluation, Curriculum Research, Educational Needs, *Home Economics Teachers, Inservice Teacher Education, *Needs Assessment, *Surveys, Teaching Methods
**Funding Period:** Start Date 3 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $700
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 2278

The objectives of this project are to (1) identify the specific types of classes in which consumer education is taught; (2) determine the extent to which various consumer education concepts are taught by consumer educators; (3) indicate consumer education concepts on which teachers feel a need for additional information; (4) determine the extent to which various consumer education methods and materials are being utilized by consumer educators; (5) indicate consumer education methods and materials for which teachers feel a need for additional information; (6) identify the types of structures of inservice courses which would be most useful to consumer educators; and (7) determine whether responses to any items differ significantly between teachers in various subject areas. The vocational and consumer home economics teachers will be surveyed via a questionnaire developed by an advisory committee. The data will be analyzed by computer to determine frequencies, percentages, and whether different responses were received from teachers in various subject areas.

AR 78 0368

**Mid-Management Model College Retail Store.**
**Project Director:** Schillie, Charlene
**Organization:** Moberly Junior Coll., Mo.
**Address:** Moberly, MO 65270
**Descriptors:** *Cooperative Education, Demonstration Programs, *Experiential Learning, Junior Colleges, Management Education, Marketing, *Merchandising, *Middle Management, Models, Program Development, *Retailing, *Training Laboratories, Work Experience Programs
**Funding Period:** Start Date 1 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $700
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 2273

The purpose of this project is to develop a model training laboratory to give COE students hands-on experience in merchandising, management, and marketing. A committee consisting of the COE staff and students will plan for and initiate the procedures and operation of the store. Evaluation of the operation will be made through surveys of the consumers, operation staff, accounting of profit, etc., by the faculty sponsor.

AR 78 0369

**Missouri Vocational Home Economics Teachers' Perceived Use of Instructional Materials.**
**Project Director:** Martin, Betty B.
**Organization:** University of Missouri-Columbia
**Address:** 309 Gwynn Hall, Columbia, MO 65201
**Descriptors:** *Curriculum Development, *Curriculum Research, Educational Needs, *Home Economics Teachers, *Instructional Materials, Needs Assessment, *Surveys, Teacher Attitudes, Teacher Characteristics, *Use Studies
**Funding Period:** Start Date 16 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $1,016
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 1372

The objectives of this project are to (1) assess the current status of curriculum development strategies; (2) develop an assessment format to determine status and use of curriculum materials by Missouri vocational home economics teachers; (3) determine the demographic characteristics of vocational home economics teachers in Missouri; (4) assess the need for resource materials by home economics teachers; (5) assess the degree of involvement of teachers in curriculum development; (6) assess the respondents' awareness of curriculum development strategies as currently used by the Department of Elementary and Secondary Education and the University of Missouri-Columbia; and (7) develop recommendations for preservice and inservice educational efforts to be carried out by the Department of Elementary and Secondary Education and the University of Missouri-Columbia. A survey instrument will be developed and disseminated to Missouri's vocational home economics teachers. Information will be gathered to determine use of home economics curriculum materials disseminated through the Instructional Materials Laboratory located at the University of Missouri-Columbia.

AR 78 0370

**Personality Characteristics, Interpersonal Values, and Leadership Attitudes of Mid-Level Managers.**
**Project Director:** Staff, Bruce, S.
**Organization:** Penn Valley Community Coll., Kansas City, Mo.
**Address:** 3201 Southwest Trafficway, Kansas City, MO 64111
**Descriptors:** Administrative Personnel, *Administrator Attitudes, *Individual Characteristics, Interpersonal Competence, *Leadership Qualities, *Middle Management, *Personality Assessment, *Personal Values, Surveys
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $2,200
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 1361

This project plans to ascertain whether or not there is a distinctive set of personality traits, leadership attitudes, and interpersonal values for mid-level managers. Mid-level managers in three occupational categories will mark questionnaires dealing with their personality characteristics, interpersonal values, and leadership attitudes. An analysis of variance statistical procedure will be used to determine if there is a significant difference between the groups.

AR 78 0371

**To Develop a Comprehensive Program of Job Seeking Skills for Students Enrolled in the Occupational Division of a Community College.**
**Project Director:** Adams, Victor G.
**Organization:** Three Rivers Community Coll., Poplar Bluff, Mo.
**Address:** Poplar Bluff, MO 63901
**Descriptors:** *Community Colleges, *Job Search Methods, Junior Colleges, *Program Development
**Funding Period:** Start Date 1 Jan 78; End Date 31 May 78
**Fiscal Year Funding:** $700
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City
**Contract and/or Control No.:** 2276

The plan of this project is to develop a systematic job seeking skills program for students enrolled in occupational programs. The occupational faculty will act as an advisory committee in developing the pre-employment job seeking skills program. Review of literature, assessment of existing equipment and mediated materials, and the formulation of an evaluation instrument will all be tasks to be performed in developing this program.

## Exemplary and Innovative (Sec. 132)

AR 78 0372

**Proposal to Develop and Implement a Comprehensive Career Education Program K-14 in a Three-County Area in Missouri.**
**Project Director:** Fielding, Marvin; Hibdon, Nila
**Organization:** State Fair Community Coll., Sedalia, Mo.
**Address:** Sedalia, MO
**Descriptors:** Adults, Career Awareness, Career Development, *Career Education, Career Exploration, Career Opportunities, *Comprehensive Programs, Elementary Secondary Education, Exceptional Persons, *Individualized Programs, Job Placement, Occupational Clusters, Postsecondary Education, *Program Development, *Resource Centers
**Funding Period:** Start Date 1 Jul 76; End Date 30 Jun 79
**Fiscal Year Funding:** $38,530
**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City

State Fair Community College, in cooperation with the Missouri Department of Elementary and Secondary Education and ten area schools, will implement a comprehensive career education program for grades K-14. The career education resource center will provide materials to enable teachers to continue a broad program of career awareness in grades K-8. Students in grades 9 and 10 will be offered opportunities to explore career clusters. Career education materials will be integrated into their regular class activities and a summer work observation program will provide them with hands-on experiences in areas of interest to them. The exploration phase will be specifically designed to assist students in grade 10 in making career decisions about secondary cluster skill training programs offered in the AVTS. At the secondary level, individualized instructional material will assist in expanding training opportunities. Where appropriate, advanced placement of students in postsecondary programs will be made. In addition, adult and special needs skill training opportunities will be offered at the postsecondary level through regular college and special needs grants. These offerings will be articulated with secondary AVTS clusters. Job placement services will be provided and technical assistance and consultative services will be offered to other Missouri schools implementing career education programs.

AR 78 0373

**Teacher Training in a Career Education Alternative School.**

**Project Director:** Wentz, Robert; Wooten, James

**Organization:** Saint Louis City Public Schools, Mo.

**Address:** 911 Locust, St. Louis, MO 63101

**Descriptors:** *Alternative Schools, *Career Education, Elementary Education, Information Centers, *Inservice Teacher Education, *Program Development, Program Evaluation

**Funding Period:** Start Date 1 Jul 76; End Date 30 Jun 79

**Fiscal Year Funding:** $10,000

**Sponsoring Agency:** Missouri State Dept. of Education, Jefferson City

A teacher-training component for the Action Learning Center Education Center, an alternative school for approximately 300 students in grades 5-8, will be developed and maintained. This three-year project will provide training to ten core curriculum teachers of the center and two non-public teachers. In the first year, teachers will receive training in the multiconceptual and multiprocess demands of career education; the development and implementation of a career education program for the center; and career guidance concepts, practices and techniques to facilitate career development in children. The program for the second and third year of the project will be based on an evaluation conducted by the project coordinator, assisted by participants and a third party evaluator. During the project, teachers will receive eighty hours of training, assisted by consultants where appropriate. An aide will assist the coordinator and will be responsible for the maintenance of a career education center. Copies of the proposal will be made available upon request.

# MONTANA

## Research (Sec. 131)

**AR 78 0374**

**Audiovisual Materials Library for Distributive Education Programs in the State of Montana.**
**Project Director:** Newville, Ron
**Organization:** Bozeman Public Schools, Mont.
**Address:** Bozeman, MT 59715
**Descriptors:** *Audiovisual Aids, *Distributive Education, Distributive Education Teachers, *Educational Resources, Guidelines, Information Dissemination, *Instructional Materials, Libraries, *Marketing, *Multimedia Instruction, Teacher Education
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $2,500
**Sponsoring Agency:** Montana State Office of Superintendent of Public Instruction, Helena
**Contract and/or Control No.:** 78-1606-01-04-16-0109

An audiovisual materials library will be developed to enable all marketing and distributive education teachers in the state to supplement traditional materials with current printed and audiovisual materials. Materials will be purchased according to the core curriculum and related areas of the distributive education programs, as outlined in the state curriculum guide. A catalog of these materials will be made available to all distributive education teachers in the state. The availability of such materials will establish a uniform curriculum throughout the state, thus enhancing the educational process of students enrolled in these programs.

**AR 78 0375**

**Program Review Model for Montana's Postsecondary Vocational Technical Centers.**
**Project Director:** Lerum, Dennis
**Organization:** Missoula Vocational Technical Center, Mont.
**Address:** Missoula, MT 59801
**Descriptors:** *Data Collection, Evaluation Methods, *Management Information Systems, *Models, *Postsecondary Education, *Program Evaluation, *Vocational Training Centers
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $6,704
**Sponsoring Agency:** Montana State Office of the Superintendent of Public Instruction, Helena
**Contract and/or Control No.:** 78-6102-05-25-17-0435

A system of data collection will be developed to determine the need for and viability of programming at the state's postsecondary vocational technical centers. To assist the board of public education in making programming decisions, a literature review and modified Delphi survey of legislators, board members, state office staff, center management staff, district superintendents and other interested individuals will be conducted. Survey results will be analyzed for key elements, suggested procedures and reporting formats for collecting essential management information. After instrumentation is developed and reviewed by center staff and state office personnel, pilot tests will be conducted on selected programs at the five postsecondary vocational technical centers. Results will be analyzed and the system evaluated. Information concerning the study will be disseminated upon request.

## Exemplary and Innovative (Sec. 132)

**AR 78 0376**

**Community Resource Trainer.**
**Project Director:** Clark, Walter J.
**Organization:** Thompson Falls High School, Mont.
**Address:** Thompson Falls, MT 59873
**Descriptors:** *Community Resources, *Cooperative Programs, Employment Trends, Followup Studies, Program Development, Program Effectiveness, School Community Cooperation, *Student Placement, *Task Analysis, *Trainers
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $11,928
**Sponsoring Agency:** Montana State Office of the Superintendent of Public Instruction, Helena
**Contract and/or Control No.:** 78-4504-05-22-16-0309

A certified cooperative vocational coordinator will implement the community resource trainer project, selecting community trainers for their ability to provide quality instruction. An advisory committee will determine the suitability of training stations and criteria for selecting students. To assess the knowledge, skills and competencies needed to develop an entry level skill, a task analysis in the occupation for which the student is being trained will be performed. Students will be placed with community trainers on the basis of their interest, aptitude and ability. The program will be continuously evaluated by independent evaluators selected by the Office of Public Instruction and the state employment service will be consulted to determine local and regional employment trends. To determine the effectiveness of the program and vocational outcomes, one- and three-year follow-up studies of graduates will be conducted. A slide/tape of the program will be developed and made available to all school districts in the state.

**AR 78 0377**

**Community Resource Training.**
**Project Director:** Higgins, Ronald R.
**Organization:** Troy High School, Mont.
**Address:** Troy, MT 59935
**Descriptors:** Academic Aptitude, Career Exploration, *Community Resources, *Cooperative Programs, Employment Opportunities, *Experiential Learning, *On the Job Training, *School Community Cooperation, Student Ability, Student Interests, *Student Placement, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $12,398
**Sponsoring Agency:** Montana State Office of the Superintendent of Public Instruction, Helena
**Contract and/or Control No.:** 78-2702-05-22-16-0189

After identifying the abilities, interests, and aptitudes of students in job related areas, students will be placed in an on-the-job situation of their choice in a business or crafts area to be supervised and trained. Using tools and materials of the trade, students will learn social skills, workmanship, safety, promptness, respect, and cooperation. Community members will be directly involved in the education process to enhance cooperation between public schools and the private business sector and existing community facilities will be used to reduce the need for purchasing specialized tools and equipment. An average of fifteen students will be placed annually and future area employment needs will be identified.

# NEBRASKA

## Curriculum Development (Sec. 133)

**AR 78 0378**

**Curriculum Dissemination Project for Selected Industrial Education Teachers.**
**Project Director:** Nelson, Beverly J.
**Organization:** Kearney State College, Nebr. Nebraska Vocational Curriculum Resource Center
**Address:** Kearney, NE 68847
**Descriptors:** *Auto Mechanics, Industrial Education, *Information Dissemination, *Information Utilization, *Inservice Teacher Education, Instructional Materials, Postsecondary Education, Secondary Education, State Programs
**Funding Period:** Start Date 20 Oct 77; End Date 31 Dec 77
**Fiscal Year Funding:** $360
**Sponsoring Agency:** Nebraska State Dept. of Education, Lincoln
**Contract and/or Control No.:** VE 133-78-1

The purpose of this project is to disseminate materials developed by the Mid-America Vocational Curriculum Consortium to Nebraska teachers that teach small engine repair and to provide inservice on the use of curriculum material. The materials will be disseminated by the Nebraska Vocational Curriculum resource Center. Ron Tuttle will provide inservice instruction on the curriculum format. Jerry Kohl will provide inservice on the content of the materials.

**AR 78 0379**

**Nebraska Vocational Curriculum Resource Center.**
**Project Director:** Nelson, Beverly J.
**Organization:** Nebraska Vocational Curriculum Resource Center, Kearney
**Address:** West Campus, Kearney State Coll., Kearney, NE 68847
**Descriptors:** *Curriculum Evaluation, *Educational Resources, *Instructional Materials, *Resource Centers, Technical Education
**Funding Period:** Start Date 1 Apr 78; End Date 30 Sep 78
**Fiscal Year Funding:** $9,880
**Sponsoring Agency:** Nebraska State Dept. of Education, Lincoln
**Contract and/or Control No.:** VE-133-78-02

Project objectives are to (1) serve as a focal point for the collection, acquisition, and dissemination center for vocational curriculum materials; (2) serve as a facilitating mechanism for the systematic review and evaluation of curriculum materials in vocational education; and (3) coordinate task force meetings as needed for the assessment and review of Curriculum Resource Center activities. Procedures will be to (1) determine materials to be housed in the Center; (2) assist the State Department in curriculum dissemination for secondary and postsecondary vocational programs; (3) provide materials to postsecondary institutions for developing unified curriculum in vocational and technical education; (4) coordinate NVCRC Task Force Meetings; and (5) catalog and place incoming materials into NVCRC.

# NEVADA

## Exemplary and Innovative (Sec. 132)

**AR 78 0380**

**Career Planning and Placement Center Project.**
**Project Director:** Burrows, Roy
**Organization:** Clark County Community Coll., Las Vegas, Nev.
**Address:** 3200 E. Cheyenne Avenue, Las Vegas, NV 89030
**Descriptors:** *Career Development, *Career Planning, Community Colleges, *Counseling Services, *Guidance Centers, *Job Placement, Junior College Students, Postsecondary Education, *Vocational Counseling
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $70,000
**Sponsoring Agency:** Nevada State Dept. of Education, Carson City

Career advisement and placement services for Clark County Community College students will be provided through the establishment and operation of a career development and placement center. The center will be developed, implemented, and maintained over a period of three one-year fundings.

# NEW HAMPSHIRE

## Research (Sec. 131)

**AR 78 0381**

**Study of a State Resource Center for Vocational and Occupational Education.**
**Project Director:** Morin, David L.
**Organization:** Concord School District, N. H.
**Address:** 16 Rumford Street, Concord, NH 03301
**Descriptors:** *Instructional Materials, *Instructional Materials Centers, Interagency Cooperation, Literature Reviews, Questionnaires, *Resource Centers, *Resource Materials
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $2,826
**Sponsoring Agency:** New Hampshire State Dept. of Education, Concord
**Contract and/or Control No.:** 83701

Objectives are to (1) conduct an assessment of what is currently happening in the state relative to the collection and dissemination of educational materials and resources; (2) develop alternative plans for providing the most effective and efficient ways to collect and disseminate educational information on a statewide basis; and (3) research ways of implementing the proposed plans including alternatives relating to location, organizational structure, staffing, funding, anticipated utilization, operation, growth potential, and future development. The project manager will (1) visit, talk, and write to state agencies, institutions, individuals, groups, and organizations; (2) design, mail, and analyze the answers to a special questionnaire; (4) develop alternative plans to meet the stated objectives; (5) write proposals for funding the selected plans; (6) submit a written report documenting all phases of the Project's development; and (7) disseminate findings to appropriate groups, agencies, and individuals. Educational information will be delivered regarding the following aspects of Resource Centers: staffing, location, funding, anticipated utilization, and potential future development.

## Curriculum Development (Sec. 133)

**AR 78 0382**

**Curriculum Activity Planning for Schools (Component I).**
**Project Director:** Faust, John
**Organization:** Keene State Coll., N. H.
**Address:** Cheshire House, Keene, NH 03431
**Descriptors:** Area Vocational Schools, Curriculum Development, Curriculum Planning, *Inservice Teacher Education, Leadership Training, *Teacher Workshops
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $17,300
**Sponsoring Agency:** New Hampshire State Dept. of Education, Concord
**Contract and/or Control No.:** C-815(a)

The project intends to (1) establish a curriculum content format acceptable to vocational educators statewide; (2) train a corps of selected local vocational educators as curriculum leaders; and (3) provide state vocational education leadership with a suggested comprehensive long range plan for curriculum revision and development for New Hampshire Secondary Vocational Centers. Procedures will be to (1) research and develop a recommended curriculum content format to be presented to a statewide review committee for adoption by state and local administrators and instructors; (2) design and conduct training workshops concerning instructional system development for locally selected instructors who will provide curriculum leadership in their secondary school area vocational center; and (3) research and write a recommended long range plan for curriculum revision and development for New Hampshire's secondary area vocational centers.

**AR 78 0383**

**Curriculum Activity Planning for Schools (Continuation).**
**Project Director:** Faust, John
**Organization:** Keene State Coll., N.H.
**Address:** Cheshire House, Keene, NH 03431
**Descriptors:** Comparative Analysis, *Demonstration Programs, Educational Quality, Educational Strategies, Group Activities, Guides, Individual Activities, *Individualized Instruction, Instructional Design, Instructional Programs, *Program Development, *Program Evaluation, Teacher Characteristics
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $2,700
**Sponsoring Agency:** New Hampshire State Dept. of Education, Concord
**Contract and/or Control No.:** C-815(b)

Individualized instruction at six pilot sites will be improved by this project. The implementation of organizational and strengthening activities will be continued at the six sites. Programs will be evaluated as to the number and variety of students served as well as the quality of the program compared to traditional programs, and the organizational, program, and teacher characteristics at each site will be determined. A handbook defining individualized instruction and containing an implementation strategy will be produced in addition to a final evaluation report.

# NEW JERSEY

## Research (Sec. 131)

**AR 78 0384**

**Determination of Existing Computer Capability in New Jersey for Vocational Education.**
**Project Director:** Osgoodby, Laurence R.
**Organization:** Asbury Park Board of Education Computer Center, N.J.
**Address:** 1506 Park Avenue, Asbury Park, NJ 07712
**Descriptors:** *Computer Oriented Programs, *Computers, Equipment Utilization, *Feasibility Studies, Interinstitutional Cooperation, Models, *Use Studies
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $22,870
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 131 SREG 002

This study is designed to investigate computer capability in New Jersey, identify those schools which are under-utilizing their computer capacity, and demonstrate ways to achieve maximum computer utilization with existing equipment. Feasibility studies will be conducted with Asbury Park and schools presently using their computers at less than full potential to combine services to achieve maximum use. The study will serve as a model for extending vocationally oriented computer services capability and will demonstrate the required linkages.

**AR 78 0385**

**Feasibility Study to Determine the Need for Occupational Competency Testing of High School Graduates of Vocational Education Programs.**
**Project Director:** Snell, Margaret
**Organization:** Rutgers, The State Univ., New Brunswick, N.J.
**Address:** Miller Hall, Room 118, New Brunswick, NJ
**Descriptors:** Employment Qualifications, Evaluation Needs, *Feasibility Studies, *High School Graduates, *Minimum Competency Testing, *Student Evaluation, *Task Performance, *Testing Programs
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $8,914
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 131 SREG 007

A feasibility study will be conducted to determine the desirability of a statewide occupational testing program of high school graduates of vocational education programs. Specific objectives are to determine (1) if a competency test should be administered to all vocational education program graduates on a voluntary or mandatory basis, (2) the purposes for which the test data should be used, and who should have access to test data, (3) occupations which should be a priority for test development, (4) a realistic time schedule for test development, (5) the agency which should be responsible for development testing, (6) the agency which should be responsible for reproducing and controlling the tests, (7) the orientation schedule for the testing program which is needed for students, parents, teachers, and the business and industrial communities, and (8) what involvement various groups of people, such as management and labor union representatives, should have in determining test policies and practices. Assessment is needed to verify the nature and extent of high school graduates' vocational competence to enable them to obtain employment in trades for which they have trained, to secure advanced placement in apprenticeship programs, and to determine whether they received a thorough high school education.

**AR 78 0386**

**Human Service Core Curriculum Needs Assessment.**
**Organization:** Salem Community Coll., Penns Grove, N.J.
**Address:** P.O. Box 551, Penns Grove, NJ 08069
**Descriptors:** *Associate Degrees, *Core Curriculum, *Curriculum Planning, Curriculum Research, Educational Needs, *Educational Programs, Health Services, *Human Services, *Needs Assessment, Postsecondary Education, Social Services
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $24,890
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 131 SREG 015

Salem Community College will investigate and document the need for a practical postsecondary model to develop, incorporate, and evaluate a closely affiliated, regional human service education and delivery system within the Salem, Glouster, and Cumberland area. This pilot effort will be directed toward designing a human service core curriculum with options which will prepare middle-level practitioners in the allied health and social services field to meet many of the traditionally unfilled needs of a multitude of service agency clients and patients. The program will produce graduates of a two-year program consisting of courses in arts and sciences, specialized courses in interpersonal skills development, and professionally supervised clinical experience coordinated in the selected provider agency environment. The program will provide a sound academic and clinical foundation for current or terminal employment as well as a steppingstone for students choosing to continue their education toward the baccalaureate level or beyond.

**AR 78 0387**

**Research on Cooperative Education Program Enrollment.**
**Organization:** Long Branch Public Schools, N.J.
**Address:** Long Branch, NJ 07740
**Descriptors:** *Cooperative Education, Data Analysis, *Declining Enrollment, Employer Attitudes, *Participant Satisfaction, *Program Evaluation, Questionnaires, School Surveys, *Student Attitudes, Student Opinion, *Work Experience Programs
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $1,705
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 131 SREG 004

A survey will be conducted to determine the factors and variables contributing to the consistently declining enrollment in cooperative work study programs in the Long Beach Public Schools. Participants will be surveyed on attitudes toward work study programs, work experience as part of educational programs, existing program administration, and relationship between school work experience and actual entry-level job selection. Participants will rank possible questionnaire responses in order of priority. Questionnaires will contain a common core of options supplemented by questions of unique concern to specific populations. Survey results will be published and disseminated.

**AR 78 0388**

**Survey of Occupational Interests of Bergen County Students and Superintendents' Perceptions of Their Career Development and Vocational Education Programs.**
**Project Director:** Hochman, Irvin
**Organization:** Bergen Community Coll., Paramus, N.J.
**Address:** 400 Paramus Road, Paramus, NJ 07562
**Descriptors:** *Administrator Attitudes, Career Choice, *Career Development, *Career Planning, Comparative Analysis, Decision Making, Information Dissemination, Parent Attitudes, *Program Evaluation, *School Surveys, Secondary Education, Sex Fairness, Student Attitudes, Student Interests, *Vocational Interests
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $26,996
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 8 131 SREG 003

The Bergen County Career Education Coordinating Council and Bergen Community College will cooperatively conduct a survey to obtain information on the occupational interests and choices, decision-making readiness, career awareness, and academic plans of seventh, eighth, tenth, and eleventh grade Bergen County public and private school students and their parents; and on the perceptions of public and private school superintendents and school directors regarding the status, priorities, and needs of local career development and vocational and technical programs and services. Information and data obtained from the survey will be computerized and correlated with manpower demand and supply data and related information available from federal, state, and local sources. Study findings will be used by the council in planning and coordination efforts, including the mandated implementation of the county plan; by local school districts in planning, implementing, and evaluating the relevance and effectiveness of career development and vocational and technical programs; and by postsecondary institutions in program planning, including the implementation of needed new occupational programs. The data also will facilitate preparing, justifying, and reviewing local district requests for funds

and other support from public, county, state, and federal sources. A final report will be prepared and distributed to concerned local, county, and state agencies.

**AR 78 0389**

**A Twenty-Year Follow-Up Study of Vocational High School Graduates.**
**Organization:** Middlesex County Vocational and Technical High Schools, New Brunswick, N.J.
**Address:** New Brunswick, NJ
**Descriptors:** Comparative Analysis, Educational Needs, *Employer Attitudes, Females, *Graduate Surveys, High School Graduates, *Job Satisfaction, Males, Questionnaires, *Vocational Followup, *Vocational Retraining
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $9,800
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 131 SREG 001

A follow-up survey of vocational high school graduates of 1957 will be conducted. Information will be sought on lifetime career satisfaction, need for retraining, employer satisfaction, and comparison of career satisfaction between male and female graduates. In addition, study results will be compared with those of two previous ten-year follow-up surveys. The instrument used in two previous studies will be supplemented by a questionnaire designed to provide data on factors relating to lifetime career satisfaction, need for retraining, and recommendations for curriculum improvement. A separate instrument will survey employer opinions. Analysis of variance and other statistical techniques will be used to evaluate results.

**AR 78 0390**

**Vocational Education through Cooperative Work Experience.**
**Organization:** Ocean County Coll., Toms River, N.J.
**Address:** Toms River, NJ
**Descriptors:** Articulation (Program), *Career Ladders, *Cooperative Education, Educational Innovation, *Educational Needs, Educational Planning, *Employment Opportunities, Faculty Development, Interagency Cooperation, Interagency Coordination, Program Development, School Community Cooperation, Sex Fairness, *Surveys, *Work Experience Programs
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $9,330
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 131 SREG 013

A survey will be conducted of students, faculty, and employers involved with cooperative work experience programs, business and industry leaders, and representatives of advisory groups in New Jersey. The research will identify and develop programs for new careers and occupations in priority areas, with an emphasis on programs with potential for advancement. Particular attention will be given to career ladder articulation between the secondary and postsecondary local education agencies within service areas. Other objectives addressed will include: (1) identifying methods to establish and enhance cooperative arrangements between public education and manpower agencies; (2) identifying programs designed to broaden occupational aspirations and opportunities; (3) facilitating the participation of employers and labor organizations in vocational education through increased involvement in cooperative work experience; (4) developing inservice materials for faculty; (5) developing materials to promote interagency training between vocational high schools, colleges, government agencies, and industry; and (6) identifying methods to reduce sex bias and sex role stereotyping in vocational education. Responses will be obtained through three sets of questionnaires augmented by in-depth interviews with a smaller sample. Samples will be drawn from each county in New Jersey having a community college with an active cooperative education program.

## Exemplary and Innovative (Sec. 132)

**AR 78 0391**

**Bilingual Vocational Education Programs.**
**Project Director:** Phillips, Richard K.
**Organization:** Center for Occupational Education, Experimentation and Demonstration, Newark, N.J.
**Address:** 223 Broadway, Newark, NJ 07104
**Descriptors:** *Adult Vocational Education, *Bilingual Education, Ethnic Groups, *Language Instruction, Language Laboratories, *Language Skills, Non English Speaking, School Community Cooperation, Secondary Education, Skill Development, *Spanish Speaking
**Identifiers:** *Limited English Speaking
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $35,800
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 132 SEMG 033

Project staff will focus on preparing persons with limited English-speaking ability, primarily Hispanics, for the world of work by helping them develop the necessary English-language skills along with occupational skills through a program conducted at the Center for Occupational Education, Experimentation and Demonstration (COED) which includes general vocational classes and technical language laboratories. Classes will be held during the day for secondary students attending COED and in the evening for both students and out-of-school youth and adults. The project also will involve the development of working relationships between the business and Hispanic communities.

**AR 78 0392**

**Career Decision-Making Program.**
**Project Director:** McDermott, William P.
**Organization:** Raritan High School, Hazlet, N.J.
**Address:** Middle Road, Hazlet, NJ
**Descriptors:** *Career Choice, Comparative Analysis, *Decision Making, Educational Research, Grade 11, Junior High Schools, *Occupational Guidance, Post Testing, Pretesting, Questionnaires, *Resource Centers, Secondary Education, *Student Responsibility
**Funding Period:** Start Date 7 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $29,240
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 132 SEMG 009

One business and two social studies teachers, currently participating in a teacher-advisor program in the guidance department, will help implement this project. Project objectives are to keep counselors and teachers abreast of the latest developments in the area of career decision making and to provide students the opportunity to experience decision making and accept the responsibility for their decisions. Two randomly selected heterogenous groups of students will serve as experimental and control groups. Both groups will be pre- and posttested to evaluate the program. Approximately fourteen classroom periods will be devoted to group testing and presentation of career decision-making materials via films, filmstrips, tapes, and lectures. Interested educators throughout New Jersey will be provided copies of reports describing the program and the results of the evaluation and will be invited to visit the school to view the program in action, inspect materials, and discuss the program with project staff.

**AR 78 0393**

**Development of an Evaluation Work Plan.**
**Project Director:** Douma, Elaine L.
**Organization:** Wayne Board of Education, N.J.
**Address:** 50 Nellis Drive, Wayne, NJ 07470
**Descriptors:** *Decision Making, Educational Administration, *Financial Support, *Inservice Programs, Measurement Instruments, Program Administration, *Program Evaluation, *Program Planning, *Project Applications, Research Proposals, Staff Orientation
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $12,000
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 132 SEMG 025

Project staff will develop an evalution plan for VE/CD programs that interfaces with T&E and is integrated in request for proposal (RFP) process. This plan will be used by division of vocational education staff and local education agency managers as a basis for making decisions relative to initiating, continuing, modifying, or deleting services and programs. The finalized materials will be disseminated to identified personnel in orientation and inservice programs.

**AR 78 0394**

**Instrumentation for Evaluation of Vocational and Career Programs, Grades K-12.**
**Project Director:** Tomaselli, Joseph M.
**Address:** Old Freehold and Bev Lea Roads, Toms River, NJ
**Descriptors:** *Career Education, Elementary Secondary Education, *Evaluation Methods, *Measurement Instruments, *Program Effectiveness, *Program Evaluation, Test Reviews, *Test Selection
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $8,600
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 132 SEMG 019

Project staff will select, after a thorough and systematic review of available research documents, test literature, and tests, instruments to measure the given elements (school, business, labor, parents, community, students, and school personnel) of vocational education programs in order to determine the effectiveness of such programs. The findings and recommendations of and the actual instruments which are selected by project staff will be made available through Ocean County Vocational-Technical School and will be duplicated

upon request and housed at the Occupational Career Resource Center in Edison, New Jersey.

**AR 78 0395**

**Interdisciplinary, Integrative Approach to Career Education in the Middle School.**
**Project Director:** Ulshoefer, Walter
**Organization:** Hillsborough Township Board of Education, N.J.
**Address:** Route 206, Belle Mead, NJ 08502
**Descriptors:** Art, *Career Education, *Fused Curriculum, Home Economics, Industrial Arts, Integrated Curriculum, *Interdisciplinary Approach, *Middle Schools, Music
**Funding Period:** Start Date 1 Sep 77; End Date 1 Sep 78
**Fiscal Year Funding:** $23,990
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 132 SEMG 050

This project will expand the Introduction to Vocations program and will broaden students' awareness of the array of careers available to them by introducing career information into the regular academic instruction; increase students' motivation to attain basic academic skills; and integrate the world of school with the world of work by coordinating professional and lay counseling and coordinating assignments in home arts, industrial arts, art, and music. A model will be produced for meeting a wide range of individual students' needs at the middle school level which can be adapted for use by other school systems. Specific interdisciplinary instructional plans and materials which infuse career education into regular academic material will be produced.

**AR 78 0396**

**Multiple Skills Approach to Vocational Counseling in the Middle School.**
**Project Director:** Hamill, Thomas S.
**Organization:** Educational Improvement Center of Northwest New Jersey, Cedar Knolls
**Address:** Halko Drive, Cedar Knolls, NJ 07927
**Descriptors:** *Career Planning, Employment Projections, Job Analysis, Junior High Schools, *Middle Schools, *Peer Counseling, *Resource Centers, *Skill Development, Student Ability, Student Characteristics, Student Interests, *Vocational Counseling
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $23,180
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 132 SEMG 008

A resource center for the northwest region will be established to provide assistance to middle and junior high schools, vocational technical schools, and county career education coordinators in developing more effective methods of career counseling based on realistic expectations of future job opportunities and students' abilities and interests. The approach will focus on developing skills, identifying personality traits of individual middle school students and, considering job analysis data, leading students to appropriate career plans based on their skills and traits. Flexibility and adaptability will be emphasized so that students understand the extent to which their basic skills and aptitudes can be used in various occupations, some of which may not exist as yet. The program will consist of three phases: research, innovation program planning, and curriculum development. An advisory council will be recruited from among middle school, junior high school, and vocational technical school staffs and the county career education coordinators. The council will, in cooperation with the Educational Improvement Center (EIC) staff, develop a research design for a futures study in the area of occupations. The council will develop a pilot program in peer group counseling in the middle school to guide students to positive attitudes toward change. Peer group counseling for students and inservice training for teachers and counselors will be provided to the representative school during the pilot program.

**AR 78 0397**

**Project Health Careers.**
**Project Director:** Bushinger, Joseph S.
**Address:** Administration Building, Rt. 516, Matawan, NJ 07747
**Descriptors:** Articulation (Program), *Career Development, *Curriculum Development, *Educational Resources, Experiential Learning, Grade 10, *Health Occupations, Program Design, Resource Guides, School Community Relationship, Secondary Education, *Sex Fairness
**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 17 Oct 77; End Date 23 Jun 78
**Fiscal Year Funding:** $10,525
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 132 SEMG 017

Tenth grade students in the district's two high schools will participate on a non-paid basis in this project. Objectives are to develop an experienced-based career development curriculum in the health careers cluster, provide articulation between education experience and career options, and design programs that eliminate sex bias or sex-role stereotyping in career considerations. Both practicing and retired health personnel will be used in a collaboratively planned progression of occupational presentations. A directory of multi-media health cluster resources, procedures for developing non-sexist curriculum methods, and health clusters curriculum infusion procedures will be produced.

**AR 78 0398**

**Proposal for Creatively Gifted Students in Vocational Education.**
**Project Director:** Micklus, C. Samuel; Andersen, Donald
**Organization:** Glassboro State Coll., N.J. Dept. of Industrial Education and Technology
**Address:** Glassboro, NJ 08028
**Descriptors:** *Academically Gifted, *Creativity, *Creativity Research, Curriculum Development, *Curriculum Enrichment, *Curriculum Planning, *Student Needs, Vocational Education Teachers
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $9,000
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 132 SEMG 047

A curriculum will be planned for the gifted student enrolled in vocational education programs. Project staff will attempt to define creativity, examine ways to provide a framework for vocational teachers to use in meeting the needs of creative or potentially creative students, generate recommendations for developing a more comprehensive enrichment curriculum, and determine what elements of creativity can be taught.

**AR 78 0399**

**Proposal to Provide Compensatory Vocational Education to High School Graduates and Other Adults of Both Sexes Who Lack Saleable Skills.**
**Project Director:** Boylan, Richard D.
**Organization:** Middlesex County Vocational and Technical High Schools, New Brunswick, N.J.
**Address:** 21 Sutton Lane, Piscataway, NJ 08854
**Descriptors:** *Adult Vocational Education, *Compensatory Education Programs, Educational Programs, Females, High School Graduates, *Job Skills, *Nontraditional Students, Postsecondary Education, Program Development, Program Evaluation, Publicize, Sex Fairness, *Student Recruitment, *Trade and Industrial Education
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $30,000
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 132 SEMG 001

Graduates of the 990-hour course to be offered at the Kilmer Campus school will master trade skills and trade theory necessary for entry-level employment and will be able to demonstrate trade competency equal to that of vocational students with two years of shop experience. All persons who may benefit from the program (particularly females) will be informed through state employment offices, high school bulletin boards, mailings to local residents, urban and Spanish-speaking areas, women's groups, and regular news media releases. A complete description of the program will be available to other schools on request. Brochures will describe the course offerings with illustrations of women depicted in traditionally male shops in the school and on the job. Evaluation will consist of pretests in math, reading, and general aptitude, a manipulative skill aptitude test, periodic progress reports, counseling, placement followup, and a cost-effectiveness report.

**AR 78 0400**

**Supervised Career Placement for Adults.**
**Project Director:** DeLaurentis, John V.
**Organization:** Rancocas Valley Regional High School, Mt. Holly, N.J.
**Address:** Jacksonville Road, Mt. Holly, NJ 08060
**Descriptors:** Adult Education, Cooperative Programs, Employer Employee Relationship, *High School Equivalency Programs, *Job Placement, *Nontraditional Students, Occupational Guidance, *On the Job Training, *Vocational Adjustment, *Vocational Counseling
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $12,130
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton

Adults participating in the general educational development program will be placed in full-time day employment in an approved work station to receive on-the-job training in an occupational field of their choice and ability. Career counseling and job guidance (training job problems, employer relationship, etc.) will be provided two evenings per week.

**AR 78 0401**

**Vocational Student Guidance Model.**
**Project Director:** Elder, Robert D.
**Organization:** Manasquan School District, N.J.
**Address:** Broad Street, Manasquan, NJ 08736
**Descriptors:** Career Choice, *Career Development, *Critical Path Method, Decision Making, Educational Alternatives, *Guidance Programs, Individualized Programs, *Junior High Schools, *Models, Occupational Choice, *Occupational Guidance, Program Development, Student Ability, Student Characteristics, Student Interests
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $34,000
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 132 SEMG 054

A vocational education guidance model will be developed which will be adaptable for use in all local schools, replace the current guidance model, and optimize student decision making. School personnel will produce a series of alternative pathways, related to career and educational goals, within the high school which include critical decision points and crossovers into other pathways. Counselors, in cooperation with students, parents, and school personnel, will prepare a student profile of objective data including performance interests, attitudes, abilities, and goals from the middle of the eighth grade to the end of the ninth grade. A set of transfer information forms will be used in gathering and disseminating data about student goals and progress through the high school experience. Students, in cooperation with their parents, counselors, and other school personnel, will predict ultimate achievement and progress toward goals by weighing information in the profile at selected critical points along the selected pathway through the school. The model will be field tested during the second and third years of the project.

**AR 78 0402**

**Women in the Technologies (Project WITT).**
**Project Director:** Vorhees, Anita E.
**Organization:** Middlesex County Coll., Edison, N.J.
**Address:** West Hall, Edison, NJ 08817
**Descriptors:** *Counseling Programs, *Females, *Guidance Centers, *Nontraditional Occupations, Occupational Information, Peer Counseling, School Community Relationship, Sex Discrimination, Sex Fairness, *Sex Stereotypes, *Technical Occupations, Vocational Counseling
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $25,000
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 132 SEMG 035

Project WITT, a community-oriented multipurpose counseling effort designed to help women overcome sex stereotyping that prevents them from entering technical careers, will be based in a counseling center that will provide approximately 1,200 women who possess a potential interest in technological careers the opportunity to assess their goals, strengths, and limitations and take specific steps toward realization of self-determined technological career objectives. For the mature woman, WITT will provide individualized counseling, self-assesament seminars, job seeking skill development, hands-on exposure to technologies, academic and financial aid counseling, and academic skill building. For the adolescent, WITT will provide career experience camps in the technologies involving hands-on exposure to representative technical fields, self-assesament activities, and orientation to technology as a valid and rewarding career choice. A secondary thrust of Project WITT will be to establish linkages with local employers in order to gain active cooperation in overcoming real or imagined sex barriers to employment in the technologies for women. The project will also examine the motivation and experiences of women already employed in technology and incorporate this information into the counseling aspect of the program. In accomplishing its objectives, Project WITT will use a professional counselor-coordinator to supervise women from the community trained as peer career advisors. Project WITT will also use the counseling resources of Middlesex College. The result of Project WITT will be an easily replicable, validated model for overcoming existing barriers that keep women from seeking careers in the technologies.

**AR 78 0403**

**Working with Energy Exhibit.**
**Project Director:** York, Edwin G.
**Organization:** New Jersey Occupational Resource Center, Edison
**Address:** 380 Old Post Road, Edison, NJ 08817
**Descriptors:** Building Design, *Cocurricular Activities, Elementary Secondary Education, *Energy, *Energy Conservation, *Exhibits, Heating, *Occupational Information, *Peer Teaching, Recycling, School Publications, Solar Radiation, Student Projects, Transportation
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $30,000
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 132 SEMG 037

A one-week, in-school peer-teaching project, Working with Energy, is designed to focus a school's interest on energy as it relates to everyday work situations. The exhibit will help elementary and secondary school students and their families to discover the importance of energy in everyday life and work, the need for new values related to using energy, and the development of new energy technologies. This project will assist with the exhibit by providing transportation and consultants, improving and repairing major exhibit sections, and producing publications essential to maximum use of the exhibit. A wide range of energy-related devices with high motivational impact will be provided, including energy storage and transmission, energy research, recycling, transportation, home design, heating and insulating, solar energy, and a school newspaper about energy.

## Curriculum Development (Sec. 133)

**AR 78 0404**

**Assisting the Home Economics Teacher to Work with the Handicapped.**
**Project Director:** Tabor, Joan
**Organization:** Montclair State Coll., Upper Montclair, N.J.
**Address:** Upper Montclair, NJ 07043
**Descriptors:** Curriculum Development, Handicapped Students, *Home Economics Education, *Home Economics Teachers, Inservice Teacher Education, Interdisciplinary Approach, Preservice Education, Program Guides, Student Rehabilitation, Teacher Developed Materials, *Teacher Workshops, *Teaching Techniques
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $26,385
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 133 SCDG 022

A series of workshops will be provided for preservice and inservice education of home economics teachers in order to identify and develop useful teaching techniques and curriculum which will enable them to better understand and instruct handicapped students. Seven workshops, each lasting three hours will be conducted at one-week intervals. Thirty home economics teachers will be invited to participate. Participants will be given an interdisciplinary approach to rehabilitation theory. The workshop sessions will culminate in the creation of an information package designed to provide other institutions with the necessary information for holding their own workshop sessions. The package will outline teaching techniques and curriculum useful in teaching home economics to handicapped students and will sensitize home economics teachers to the needs of the handicapped child. A questionnaire distributed to participants at the conclusion of the workshop will be used to evaluate the overall effectiveness of the workshop sessions. A follow-up study is projected.

**AR 78 0405**

**Development of a Competency-Based Curriculum.**
**Project Director:** Nick, Dennis J.
**Organization:** Morris County Vocational School, Denville, N.J.
**Address:** 400 East Main Street, Denville, NJ 07834
**Descriptors:** Curriculum Development, Curriculum Research, Employer Attitudes, Employment Qualifications, *Job Skills, *Learning Disabilities, *Performance Based Education, *Physically Handicapped, *School Industry Relationship, Special Services, *Task Analysis, Teacher Developed Materials, Workshops
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $6,000
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 133 SCDG 003

A competency-based, task-oriented curriculum for handicapped and learning disabled students, based on the entrance-level skill competencies prescribed by local business and industry, will be developed. An advisory core of employers will aid in the systematic breakdown of duties and tasks commonly performed on the job in each of the skill areas encompassed in the Special Services Department. An instrument resulting from this analysis will be used to survey county-wide business and industry employers to establish performance sequences for each skill competency. Using the results of the survey, workshops will be designed to prepare the instructional staff to compile a competency-based curriculum for each program in the Department of Special Services. Consultants will be used to formalize the curriculum design and its subsequent development. Department staff will be involved in developing activities designed to train students in these competencies.

AR 78 0406

**Developmental Vocational Curriculum Projects.**
**Project Director:** Edgecomb, Phillip L.
**Organization:** Rutgers, The State Univ., New Brunswick, N.J.
**Address:** New Brunswick, NJ 08903
**Descriptors:** Career Education, Curriculum Development, Curriculum Enrichment, *Curriculum Evaluation, *Disadvantaged Youth, Information Dissemination, *Program Evaluation, *Sex Fairness, *Teacher Developed Materials, *Teacher Workshops
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $25,000
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 133 SCDG 005

The facilitation of the development, production, and dissemination of teacher-developed, local and state oriented curriculum programs that focus on current priorities as determined by local school systems and by directors in the Division of Vocational Education are the project objectives. Seven workshops will be set up throughout the state for a total of sixty-seven curriculum writers. Each workshop will be conducted six hours a day for twenty days. Of the sixty-seven programs, twenty-three will be directed toward the needs of the disadvantaged, two will focus on evaluating career education materials for sex-role stereotyping, and forty-one will focus on updating curriculum materials because of technological changes. Programs will be evaluated on the basis of accuracy of basic concepts within the subject matter area; ability to facilitate a genuine confrontation with the reality of vocational education; an educationally sound design; and being developed in a form that permits dissemination when the project is completed. Programs that are accepted for publication will be disseminated throughout the nation when included in the latest catalog of the Vocational Curriculum Laboratory.

AR 78 0407

**Operation Media.**
**Project Director:** Meyer, George F.
**Organization:** New Brunswick Board of Education, N.J.
**Address:** 1125 Livingston Avenue, New Brunswick, NJ 08902
**Descriptors:** *Bilingual Education, *Bilingual Students, Business Education, Curriculum Development, *Handicapped Students, Home Economics, Industrial Arts, *Instructional Media, *Material Development, *Media Selection
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $26,385
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 133 SCDG 012

Operation Media is a media production project designed to provide vocational education classes with curriculum materials for bilingual and handicapped students. A variety of media materials will be developed and field tested for use by bilingual and handicapped students; the most appropriate types of media to use in meeting specific learning objectives will be determined. A certified media specialist will conduct the project with assistance from a bilingual aide.

AR 78 0408

**Paraprofessional Training in Special Education.**
**Project Director:** Hughes, Walter D.
**Organization:** Burlington County Coll., Pemberton, N.J.
**Address:** Pemberton-Browns Mills Road, Pemberton, NJ 08068
**Descriptors:** Community Colleges, Curriculum Development, Curriculum Evaluation, Demonstration Programs, Inservice Teacher Education, *Mainstreaming, *Paraprofessional School Personnel, Postsecondary Education, Preservice Education, *Special Education, *Teacher Workshops
**Funding Period:** Start Date 15 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $26,385
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 133 SCDG 02

A model curriculum will be developed to train paraprofessionals in the area of special education. After reviewing other programs, teachers and consultants will develop the curriculum in the form of packets. The curriculum will be reviewed by state, county, and local directors of special education programs and the New Jersey Council for Higher Education in Special Education. Two courses using the newly developed curriculum will be represented at Burlington County College during the winter term and two others will be prepared for presentation. Those individuals involved in preparing and presenting the courses will conduct several workshops with preschool teachers, special school teachers, mainstreaming teachers, and parents. Another series of workshops will be conducted for teachers who will be working with paraprofessionals to assist in the best ways to make use of paraprofessionals in classroom instruction.

AR 78 0409

**Program Re-Engineering for Student Success (PRESS).**
**Project Director:** Kordys, Joseph
**Organization:** Union Township Schools, N.J.
**Address:** North Third Street, Union, NJ 07083
**Descriptors:** Area Vocational Schools, Comprehensive High Schools, Course Objectives, Curriculum Development, *Curriculum Guides, Diffusion, Evaluation Methods, *Individualized Curriculum, *Instructional Materials, Learning Activities, *Performance Based Education, Secondary Education, *Teacher Developed Materials
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $12,649
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 133 SCDG 018

Twenty vocational courses offered at Union Township's comprehensive area vocational school will be converted to sixty individualized competency-based instructional programs. Each year's work will consist of three twelve-week individual trimesters. Each newly designed course guide will include instructional objectives, appropriate activities, materials, and evaluation design; i.e., model assessment items consisting of practical and related information samples. The course conversion will be accomplished by a task force consisting of ten vocational teachers from the area vocational school and the director of vocational education. The converted courses will be field tested. A complete set of the competency-based instructional programs will be presented to the Vocational Curriculum Laboratory for appropriate state-wide dissemination. One year after program implementation, the results of an evaluation will be shared with the State Department of Education.

AR 78 0410

**T4C Curriculum Guidelines.**
**Project Director:** Dreves, Fred
**Organization:** New Jersey State Dept. of Education, Trenton. Div. of Vocational Education
**Address:** 225 West State Street, Trenton, NJ
**Descriptors:** *Curriculum Guides, *Educational Strategies, Elementary Education, *Instructional Materials, *Material Development, Resource Guides, *Resource Materials, Sex Fairness, Special Education, *Teaching Techniques
**Identifiers:** Limited English Speaking
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $2,000
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** SCDG 035

A source book of techniques and procedures will be developed to facilitate successful integration of the T4C program into the elementary classroom. Activity-oriented programs for special needs students and strategies that counteract the effects of past sex-role stereotyping will be provided, and learning activities for limited English-speaking elementary students will be developed.

AR 78 0411

**Vocational Exploration Objectives for Vocational Programs.**
**Project Director:** Schmelter, Harvey B.
**Organization:** Brookdale Community Coll., Lincroft, N.J.
**Address:** Lincroft, NJ 07738
**Descriptors:** Auto Mechanics (Occupation), *Behavioral Objectives, *Career Exploration, *Community Colleges, Computer Science Education, Drafting, Electronic Technicians, Food Service Occupations, *Fused Curriculum, Journalism Education, Postsecondary Education, Program Development, *Sex Fairness, Sex Stereotypes, *Teacher Workshops
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $7,400
**Sponsoring Agency:** New Jersey State Dept. of Education
**Contract and/or Control No.:** 78 133 SCDG 020

The ways in which vocational exploration objectives can be infused into the curriculum of vocational education programs in community colleges will be demonstrated. The major focus will include developing a vocational exploration process that will help to eliminate sex bias and sex-role stereotyping as related to the vocational programs in automotive technology, computer science, criminal justice, drafting and design, food service management, print and broadcast journalism, and electronics technology. A minimum of three orientation sessions will be offered to all project personnel to acquaint them with the overall project, develop their skills in writing vocational exploration objectives, and increase their awareness of sex-role stereotyping and sex bias. The vocational exploration objectives for each of the courses will be evaluated by successful people in the field who traditionally have not been associated with this vocation either because of sex or a physical or mental handicap. The objectives will be field tested in classes before being published for dissemination to other New Jersey community colleges. A workshop will be held for community college faculty to acquaint them with the overall project and the processes important to complete this project.

AR 78 0412

**Vocational Program for Recreational Vehicle Maintenance and Repair Personnel.**

**Project Director:** Newman, Robert C.
**Organization:** Ocean County Vocational Technical School, Toms River, N.J.
**Address:** Old Freehold and Bey Roads, Toms River, NJ 08753
**Descriptors:** *Auto Mechanics (Occupation), *Cooperative Education, Curriculum Development, Equipment Maintenance, Job Placement, *Job Skills, *Motor Vehicles, Shared Facilities, Work Experience Programs
**Identifiers:** *Recreational Vehicles
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $16,794
**Sponsoring Agency:** New Jersey State Dept. of Education, Trenton
**Contract and/or Control No.:** 78 135 SCDG 032

A program in recreational vehicle maintenance and repair will be developed to create a model for curriculum development which will allow students to major in an occupational field not presently available due to lack of facilities, and provide a totally new program needed by the recreational vehicle industry which does not exist in any public school in New Jersey today. Students enrolled in the recreational vehicle program will rotate with their teacher through existing vocational facilities. Educational activities will be developed for students to develop those skills needed to work on recreational vehicles, including travel trailers and mobile homes. Students who are capable of and desire work in the recreational vehicle industry will be encouraged to participate in the cooperative industrial education program. However, a student placement support may also be provided at the conclusion of the program by the coordinator for job placement services.

# NEW MEXICO

## Research (Sec. 131)

**AR 78 0413**

**Comprehensive Needs Assessment and Plan for Vocational Education of the Handicapped in New Mexico.**
**Project Director:** Isengard, Chris
**Organization:** Career Services for the Handicapped, Albuquerque, N. Mex.
**Address:** 610 Gold SW, Albuquerque, NM 87103
**Descriptors:** Comprehensive Programs, *Educational Opportunities, *Educational Programs, *Handicapped Students, *Needs Assessment, Postsecondary Education, Program Development, *Program Evaluation, *Program Planning
**Funding Period:** Start Date 1 Jun 78; End Date 31 Jul 79
**Fiscal Year Funding:** $27,500 (Charged to FY 1979)
**Sponsoring Agency:** New Mexico State Dept. of Education, Santa Fe
**Contract and/or Control No.:** 951-1-b-01-15311

Project staff will develop a plan for providing postsecondary vocational education for the handicapped based on a state-wide canvass of handicapped individuals conducted to determine the vocational training they are currently receiving and the need for new vocational training programs and on an evaluation of programs receiving funds from the State Department of Education.

**AR 78 0414**

**Development of a Cost Effectiveness Model for Vocational Education in New Mexico.**
**Project Director:** Cooper, Lloyd
**Organization:** New Mexico State Univ., Las Cruces. Dept. of Educational Management and Development
**Address:** Las Cruces, NM 88003
**Descriptors:** *Cost Effectiveness, Data Analysis, Data Collection, Educational Finance, Educational Planning, *Models, *Program Costs, *Program Effectiveness, Program Evaluation, *State Surveys
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $12,828
**Sponsoring Agency:** New Mexico State Dept. of Education, Santa Fe

A cost-analysis model will be completed, and then refined and validated in meetings with vocational and financial experts and from feedback from an application session with school administrators. A cost analysis of vocational programs in New Mexico will be prepared from available data and data collected by survey and presented to the Vocational Education Division of the State Department of Education in written form and to legislative committees or other interested groups.

**AR 78 0415**

**Management Information System.**
**Project Director:** Cooper, Lloyd
**Organization:** New Mexico State Univ., Las Cruces
**Address:** Box 3N, Las Cruces, NM 88003
**Descriptors:** *Data Bases, Data Collection, *Educational Administration, *Management Information Systems, *Needs Assessment, *Program Development, *Program Planning
**Funding Period:** Start Date 1 Jun 78; End Date 31 Jul 79
**Fiscal Year Funding:** $8,536 (Charged to FY 1979)
**Sponsoring Agency:** New Mexico State Dept. of Education, Santa Fe

A management information system which is easily understood by administrative and supervisory personnel will be developed and put into operation to provide the Division of Vocational Education with better information on which to base its decisions. Linkage of existing data bases into compatible modes will be established for use in completing reports, identifying problems or situations needing administrative attention, and providing information for short-term and long-range administrative planning.

**AR 78 0416**

**Vocational Education Teacher Information Service.**
**Project Director:** Park, Ok D.
**Organization:** Eastern New Mexico Univ., Portales
**Address:** Portales, NM 88130
**Descriptors:** *Data Bases, Data Collection, *Followup Studies, *Information Systems, *Teacher Certification, *Teacher Qualifications, *Vocational Education Teachers
**Funding Period:** Start Date 1 Mar 78; End Date 31 Aug 79
**Fiscal Year Funding:** $2,160 (Charged to FY 1979)
**Sponsoring Agency:** New Mexico State Dept. of Education, Santa Fe

More accurate and up-to-date information on vocational teachers will be made available through this project. Data regarding vocational endorsement, teacher certification, teacher recertification, vocational courses taken, and vocational courses needed will be collected from Vocational Education Teacher Information System forms sent to all secondary and postsecondary institutions in New Mexico. Computer printouts will be available with information on program area, geographic area, secondary or postsecondary designation, expiration date of teaching certificate, and need for vocational courses.

**AR 78 0417**

**Vocational Interpreter for the Deaf.**
**Project Director:** Leavitt, Max
**Organization:** Albuquerque Skill Center, N. Mex.
**Address:** 1701 Fourth Street SW, Albuquerque, NM 87102
**Descriptors:** *Access to Education, *Aurally Handicapped, *Deaf Interpreting, *Handicapped Students, *Learning Activities, *Student Needs
**Funding Period:** Start Date 1 Jun 78; End Date 31 Jul 79
**Fiscal Year Funding:** $25,000 (Charged to FY 1979)
**Sponsoring Agency:** New Mexico State Dept. of Education, Santa Fe
**Contract and/or Control No.:** 951-1-b-01-11-107

Deaf and hearing impaired students will be able to access vocational education programs in Bernalillo County through the assistance of interpreters (signers) who will attend vocational program activities with the students.

**AR 78 0418**

**Vocational-Technical Information System.**
**Project Director:** Downey, Joseph M.
**Organization:** Albuquerque Technical Vocational Inst., N. Mex.
**Address:** 525 Buena Vista SE, Albuquerque, NM 87106
**Descriptors:** Data Collection, Data Processing, *Information Storage, *Information Systems, Material Development, *On Line Systems, Postsecondary Education, *Student Records, *Technical Assistance, Technical Institutes, Vocational Followup
**Funding Period:** Start Date 1 Jun 78; End Date 31 Jul 79
**Fiscal Year Funding:** $20,000 (Charged to FY 1979)
**Sponsoring Agency:** New Mexico State Dept. of Education, Santa Fe
**Contract and/or Control No.:** 951-3-b-01-11-108

The computer system of Albuquerque Technical-Vocational Institute (T-VI) will be upgraded to provide on-line terminal processing to the Vocational Technical Information System (VTIS) users. The area vocational schools and branches will be provided the on-line capability to add, change, or inquire about their computer student records and receive enrollment information and student and employer follow-up data. The capabilities of on-line remote operations will be demonstrated to potential users in a minimum of two visits. The first will be a visit to a currently operating on-line site. The second visit will be at T-VI to demonstrate the use of the remote units in handling student data. As other area vocational schools and the State Department of Education install on-line remote equipment, the user sites will be visited by the project director to provide technical assistance. A vocational-technical information system procedure manual explaining the services and products currently available will be produced.

## Exemplary and Innovative (Sec. 132)

**AR 78 0419**

**Assessment, Evaluation, and Implementation of a System for a Nursing Articulation Program.**
**Project Director:** Ferrell, Mary Jane
**Organization:** Albuquerque Univ., N. Mex.

**Address:** St. Joseph Place, N.W., Albuquerque, NM 97140
**Descriptors:** Articulation (Program), Educational Coordination, Employment Qualifications, *Interinstitutional Cooperation, Job Skills, *Nurses, Nurses Aides, *Occupational Information, Program Development, Program Evaluation, *Standards, *Teacher Nurses, *Workshops
**Funding Period:** Start Date 1 Jun 77; End Date 31 Jul 78
**Fiscal Year Funding:** $4,199
**Sponsoring Agency:** New Mexico State Dept. of Education, Santa Fe

A workshop will be conducted to facilitate and promote interinstituional communication and planning among nursing educators and nursing service personnel. Specific objectives are to further analyze data regarding the evaluation of a previous study, "Minimum Behavioral Expectations of New Graduates from New Mexico Schools of Nursing," identify differences between nursing service personnel and nursing educators regarding expectations of new graduates, develop job descriptions for beginning nurses at all levels, identify nursing issues, and make plans to continue to improve working relationships between nursing service and nursing education. A task force of four nursing service personnel and nursing educators will plan the workshop for nursing education and service personnel from all health care systems in the state. A workshop report, including the summary of discussions, evaluation, and plans for a follow-up study, will be written and disseminated to all workshop participants, interested persons, and the state department of vocational education.

**AR 78 0420**

**Bilingual Skills Training Program.**
**Organization:** Northern New Mexico Community Coll., El Rito
**Address:** El Rito, NM 87530
**Descriptors:** Audiovisual Instruction, Basic Skills, *Bilingual Education, Career Awareness, Curriculum Development, Employment Services, Field Trips, Graduate Surveys, *Individualized Instruction, Inservice Teacher Education, *Job Placement, Job Skills, *Learning Modules, Remedial Instruction, *Spanish Speaking
**Identifiers:** *Limited English Speaking
**Funding Period:** Start Date 1 Jun 77; End Date 31 Jul 78
**Fiscal Year Funding:** $75,000
**Sponsoring Agency:** New Mexico State Dept. of Education, Santa Fe

Students with limited English-speaking, reading, writing, and computational skills will be identified and selected for participation in a bilingual vocational training program for barbering, cosmetology, meat cutting, auto mechanics, and automobile body repair. Selection procedures will include student interviews, diagnostic testing, and recommendations from instructors and counselors. Individualized bilingual trade-related curriculum will be developed in English, standard Spanish, and the northern New Mexico dialect. Curriculum will include bilingual oral exercises and audiovisual and trade-related written materials. Bilingual demonstrations in trade-related areas will be provided and specific modules for vocational areas will be developed along with pretests and posttests. To provide job placement assistance potential employers will be identified and referrals will be made. Sessions in completing job applications and simulated job interviews will be conducted. All efforts will be coordinated with the institution placement officer and graduate followup will be provided. Opportunities for bilingual staff professional growth will consist of inservice training workshops and visits to other programs, conferences and conventions on bilingual education.

**AR 78 0421**

**Diesel Engine Mechanics.**
**Project Director:** Nicholson, Herb
**Organization:** New Mexico State Univ., San Juan.
**Address:** 4601 College Boulevard, Farmington, NM 87401
**Descriptors:** *Auto Mechanics (Occupation), Curriculum Development, Curriculum Guides, *Diesel Engines, *Job Skills, *Manpower Needs, Performance Based Education, Postsecondary Education, *Program Development, School Industry Relationship
**Funding Period:** Start Date 1 Jun 78; End Date 31 Jul 79
**Fiscal Year Funding:** $168,887 (Charged to FY 1979)
**Sponsoring Agency:** New Mexico State Dept. of Education, Santa Fe
**Contract and/or Control No.:** 951-3-a-02-11-4031490

A diesel engine mechanics program will be established to meet the manpower needs for diesel mechanics in the San Juan area vocational district. Students who successfully complete the two-year program are expected to have the knowledge and skills for entry-level positions as heavy equipment diesel mechanics.

**AR 78 0422**

**Laser/Electro/Optic Technology.**
**Project Director:** Callow, Phil
**Descriptors:** Admission Criteria, Curriculum Guides, *Electrooptics, Employment Projections, *Job Skills, *Lasers, *Manpower Needs, Postsecondary Education, *Program Development
**Funding Period:** Start Date 1 Jun 78; End Date 31 Jul 79
**Fiscal Year Funding:** $64,956 (Charged to 1979)
**Sponsoring Agency:** New Mexico State Dept. of Education, Santa Fe
**Contract and/or Control No.:** 951-3-6-02-11-106

A program will be established to meet the manpower needs for trained persons in the field of laser/electro/optic technology. An outline will be developed for the four-trimester course using text materials developed by TERC project at Waco, Texas. A beginning group of twenty-six students will be enrolled in the program in the fall trimester; approximately sixteen students will complete the program each year thereafter.

**AR 78 0423**

**Psychiatric Technician Program.**
**Project Director:** Pino, Lawrence
**Organization:** Luna Vocational Technical Inst., Las Vegas, N. Mex.
**Address:** P.O. Box 2055, Las Vegas, NM 87701
**Descriptors:** *Adult Education, Community Service Programs, *Educational Resources, *Employment Opportunities, *Inservice Education, Manpower Needs, Nursing, *Paraprofessional Personnel, *Psychiatric Aides, Psychiatric Hospitals, Psychiatric Services
**Funding Period:** Start Date 1 Jun 78; End Date 31 Jul 79
**Fiscal Year Funding:** $16,479 (Charged to FY 1979)
**Sponsoring Agency:** New Mexico State Dept. of Education, Santa Fe
**Contract and/or Control No.:** 951-5-6-02-11-603

A program will be established to meet the manpower needs of the New Mexico State Hospital in the areas of mental health and psychiatric nursing. The three-month course will be offered to employees of the New Mexico State Hospital selected as students by a screening committee composed of representatives from Luna Vocational-Technical Institute (LVTI) and New Mexico State Hospital to prepare them for positions as psychiatric technicians. The program, in the form of inservice and continuing education, is designed to train thirty students every trimester using lectures, resource speakers including LVTI faculty and practitioners of various forms of medicine locally and statewide, demonstrations, laboratories, group discussion, and audiovisual materials and equipment.

## Curriculum Development (Sec. 133)

**AR 78 0424**

**Oil Industry, Solar Energy Industry, and Mining Office Occupations.**
**Project Director:** Martinez, Gloria E.
**Organization:** Eastern New Mexico Univ., Roswell. Dept. of Business and Office Education
**Address:** Roswell Campus, Roswell, NM 88201
**Descriptors:** Curriculum Development, *Instructional Materials, Office Machines, *Office Occupations Education, *Petroleum Industry, *Solar Radiation, Spelling, Vocabulary Development
**Identifiers:** *Mining
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $3,993
**Sponsoring Agency:** New Mexico State Dept. of Education, Santa Fe

Curriculum packets will be developed to provide students with a working knowledge of the spelling, vocabulary, and instruments unique to oil, mining, and solar energy office occupations. The curriculum will contain a concise introduction to and explanation of each area.

**AR 78 0425**

**Proposal to Develop a Parenting Education Study Guide for School-Age Parents.**
**Project Director:** Gaston, Caroline
**Organization:** New Futures School, Albuquerque, N.M.
**Address:** 110 Broadway Boulevard, N.E., Albuquerque, NM 87102
**Descriptors:** Bilingual Education, Curriculum Development, Exercise (Physiology), Family Life Education, *Family Planning, Nutrition, *Parenthood Education, Parent Role, *Pregnancy, *Pregnant Students, Secondary School Students, Study Guides, Teaching Guides, *Teenagers, *Textbooks
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $35,572
**Sponsoring Agency:** New Mexico State Dept. of Education, Santa Fe

English and bilingual materials will be developed to provide guidance to assist the student in assuming the responsibilities of parenthood; help the school-age parent achieve greater emotional and mental stability with emphasis on the development of a positive self-concept; provide the most recent and best available information about the physical and emotional aspects of prenatal, intrapartal, and post-partal care with emphasis on the normal and natural; and create an awareness and understanding of family planning in relation to the individual, the family, and society as a whole. Field testing will be con-

## Project Resumes

ducted in six sites to help teachers develop an understanding of the need for parenting education for the pregnant adolescent and the school-age family, assist teachers in learning how to use the materials most effectively to enhance the student's education, train teachers to work effectively with pregnant adolescents, and assist teachers in evaluating the special needs of their own programs and the best methods for adapting the materials for their most effective use. A textbook, pamphlets on exercise and breastfeeding, pre- and posttests, a student study guide, and a teacher's manual will be produced.

**AR 78 0426**
**Vocational Instructional Delivery System.**
**Project Director:** Milanovich, Norma
**Organization:** New Mexico Univ., Albuquerque
**Address:** 2010 Mesa Vista, Albuquerque, NM 87121
**Descriptors:** Curriculum Development, Instructional Materials, *Learning Modules, *Performance Based Education, *Teacher Workshops, *Teaching Guides, *Teaching Techniques, *Thought Processes, Videotape Recordings
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $53,550
**Sponsoring Agency:** New Mexico State Dept. of Education, Santa Fe
**Contract and/or Control No.:** 951.6.8-05-12.210

To conduct a series of workshops for vocational educators on teaching mental processes, project staff will develop a workshop trainer's manual and form an advisory committee to establish policies and procedures. Competency-based modules and accompanying videotapes will be developed for vocational educators to use along with a curriculum manual of instructional strategies. Instructional packets for classroom use also will be developed. Workshop participants and the advisory committee will evaluate the project.

# NEW YORK

## Research (Sec. 131)

**AR 78 0427**

**Applied Small Business Techniques Needs Assessment.**
**Project Director:** Winter, Gene
**Organization:** Cornell Univ., Ithaca, N.Y. Inst. for Research and Development in Occupational Education
**Address:** Stone Hall, Ithaca, NY 14853
**Descriptors:** *Business Administration, Curriculum Planning, *Educational Needs, *Educational Programs, Educational Resources, Employment Qualifications, Job Analysis, Manpower Needs, *Needs Assessment, *Program Planning
**Identifiers:** *Small Business Administration
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $44,246
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-332-PS

An assessment will be conducted to determine existing needs for programs in small business administration. An advisory committee will aid the project in producing a list of currently available small business programs and resources, a summary analysis of clients served by such programs, a demographic and learning needs profile of a sample of the target population for the programs, a summary display of those competencies considered important for success in small business enterprise, and a plan for the development of more effective, better articulated programs and instructional materials to meet the needs of the target group.

**AR 78 0428**

**Articulation of Occupational Education Programs between Secondary and Postsecondary Institutions in New York State.**
**Project Director:** Whalen, Marie T.
**Organization:** New York State Education Dept., Albany. Bureau of Occupational Education Research
**Address:** Albany, NY 12224
**Descriptors:** *Articulation (Program), *College High School Cooperation, Educational Administration, *Educational Coordination, *Educational Planning, *Educational Policy, Postsecondary Education, Secondary Schools
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $15,000
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** BOER 78-2

This project will aid the assistant commissioner of occupational and continuing education and staff to recommend policy and program priorities regarding articulation practices to the regents, the commissioner of education, local districts, and postsecondary educational and training directors. Project results will be used as a basis for recommendations to other service bureaus such as those regulating credentials, curriculum, and program registrations.

**AR 78 0429**

**College and Industry: Partners in the Handicapped Employment Role (CIPHER).**
**Project Director:** Katz, D.
**Organization:** City Univ. of New York, N.Y. Inst. for Research and Development in Occupational Education
**Address:** 33 West 42nd Street, New York, NY 10036
**Descriptors:** Affirmative Action, Civil Rights Legislation, *Community Colleges, Employment Opportunities, *Employment Potential, *Equal Opportunities (Jobs), Interagency Cooperation, Job Development, *Physically Handicapped, School Community Relationship, *School Industry Relationship, *Workshops
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $47,634
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3A-179

A series of workshops will be conducted to create awareness among business, labor, government agencies, and community college groups of the employment potential of handicapped persons. Two separate advisory councils will be organized, composed respectively of college administrators and personnel officers of business, industry, labor, and government agencies. Program participants will be informed of current government affirmative action decisions and legislation relating to employment of the handicapped. Employment possibilities for disabled graduates will be increased through person-to-person contact between representatives of college groups and those of business, industry, labor, and government. The workshop will be evaluated through participant questionnaires. A final report will be prepared.

**AR 78 0430**

**Effect of Industrial Arts Publishing Activities Center on Reading Achievement Scores–Stage I.**
**Project Director:** Alwell, William W.
**Organization:** New York State Education Dept., Albany. Bureau of Occupational Education Research.
**Address:** Albany, NY 12224
**Descriptors:** Data Analysis, Data Collection, *Disadvantaged Youth, *Industrial Arts, Learning Activities, Paraprofessional Personnel, *Printing, Program Design, *Program Effectiveness, *Reading Achievement, *Reading Tests, Success Factors
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Note:** Additional funds were not required for this project for FY 1978.
**Sponsoring Agency:** New York State Education Dept., Albany

The effects of publishing activities centers on student reading scores during 1974-1978 will be analyzed and conclusions drawn. Plans will be developed to use and evaluate the centers in schools with disadvantaged youth.

**AR 78 0431**

**Employment of Educable Mentally Retarded (EMR) Persons Who Have Received High School Occupational Education.**
**Project Director:** Tarrier, Randolph B.
**Organization:** City Univ. of New York, N.Y. Inst. for Research and Development in Occupational Education
**Address:** 33 West 42nd Street, New York, NY 10036
**Descriptors:** *Educable Mentally Handicapped, *Employment Experience, Followup Studies, High School Students, *Job Placement, *Sex Differences, *Vocational Followup, *Wages
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $38,969
**Sponsoring Agency:** New York State Dept. of Education, Albany
**Contract and/or Control No.:** CO 77-C-883

A study will be conducted to obtain employment information regarding educable mentally retarded (EMR) persons who studied occupational education in high school. The study will focus on the responsibility for placement, relationship of educational experience to placement, range of remuneration for entry jobs, sex differences in placement and patterns of experience, and follow-up studies as an indicator of placement effectiveness. Participating local education agencies will be surveyed and site visits will be made to determine the extent of placement activities.

**AR 78 0432**

**A Follow-Up Study of the CETA College Adapter Program.**
**Project Director:** King, Dorothy
**Organization:** New York State Education Dept., Albany. Bureau of Occupational Education Research.
**Address:** Albany, NY 12234
**Descriptors:** College Graduates, Comprehensive Programs, *Followup Studies, *Graduate Surveys, High School Graduates, *Program Evaluation, Student Characteristics, *Success Factors
**Identifiers:** *College Adapter Program, *Comprehensive Employment and Training Act
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Note:** Additional funds were not required for this project for FY 1978.
**Sponsoring Agency:** -New York State Education Dept., Albany
**Contract and/or Control No.:** BOER-78-1

A follow-up study of the CETA College Adapter Program (CAP) will be conducted to determine the number of CETA project completers who went to college; the extent of continuation at college by CETA project completers; the number of former CAP clients who completed a college program; and client variables related to college continuation or completion rates. Study findings will be used for program planning and allocating CETA funds.

AR 78 0433

**Futuring the Business Education Curriculum Needs (Continuation).**
**Project Director:** Tobias, Sigmund
**Organization:** City Univ. of New York, N.Y. Inst. for Research and Development in Occupational Education
**Address:** 33 West 42nd Street, New York, NY 10036
**Descriptors:** *Business Education, *Curriculum Planning, *Educational Needs, *Educational Resources, *Planning Meetings, *School Industry Relationship, Teacher Education
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $65,037
**Sponsoring Agency:** New York State Education Dept., Albany

A committee will meet four times during the year at Rochester, Syracuse, Buffalo, and Swan Lake. At each meeting, members of the local business education community will be invited to attend. Information will be provided by personnel experts drawn from big business, small business, and the government sector. In addition, presentations to the committee will be made by curriculum experts from both business education and education in general. Finally, a presentation regarding the status of business teacher education in New York State will be made. The final report will contain all presentations made to the committee plus a summary of committee activities.

AR 78 0434

**Identification of Factors Associated with Sex-Role Stereotyping in Occupational Education.**
**Project Director:** Ott, Mary Diederich
**Organization:** State Univ. of New York, Ithaca. Cornell Inst. for Research and Development in Occupational Education
**Address:** Stone Hall, Cornell University, Ithaca, NY 14853
**Descriptors:** Bibliographies, Educational Research, *Enrollment Influences, *Home Economics, Pilot Projects, *School Surveys, *Sex Stereotypes, *Trade and Industrial Education
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $50,119
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3A-903

A pilot study will be conducted and a survey used to identify factors such as attitudes, policies, and practices that are linked to sex-role stereotyping in enrollments in trade and industrial and home economics programs. A bibliography will be written and distributed to occupational education directors in New York, to selected vocational education teachers, and to other persons requesting it.

AR 78 0435

**Institute for Research and Development in Occupational Education: A Professional Development Workshop.**
**Project Director:** Cohen, Lee
**Organization:** City Univ. of New York, N.Y. Graduate School and Univ. Center
**Address:** Institute for Research and Development in Occupational Education, 33 West 42nd St., New York, NY 10036
**Descriptors:** *Administrative Personnel, Educational Administration, Educational Legislation, *Inservice Education, *Staff Improvement, *Workshops
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $21,289
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** CO 77-C-885

A workshop will be held to broaden the involvement of the administrators in professional activities. Topics will include the professional growth of staffs, new legislation and its effect upon urban occupational education programs, and recent technological developments which require inservice education considerations. Time to air mutual concerns with representatives of the state education department will be provided.

AR 78 0436

**Instructional Support System for Occupational Education: Curriculum Development.**
**Project Director:** Edsall, Al
**Organization:** State Univ. of New York, Ithaca. Cornell Inst. for Research and Development in Occupational Education
**Address:** Stone Hall, Cornell University, Ithaca, NY 14853
**Descriptors:** *Auto Mechanics (Occupation), *Conservation Education, Curriculum Development, Curriculum Guides, Curriculum Research, *Health Occupations, Job Skills, *Office Occupations, *Performance Based Education
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $86,943
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3A-911

This project will aid in effecting the transition of the ISSOE Curriculum Development System from the Cornell Institute for Occupational Education to other higher education institutions in New York State and the bureau of occupational education curriculum development of the New York state education department. The project will also develop a process to validate ISSOE major objectives or competencies in regard to their relevance to competencies needed by entry-level workers in related occupations. A prototype competency-based student reporting system for ISSOE will also be designed and pilot tested. Products to be disseminated will consist of curriculum packages in automotive mechanics (600 copies), office training (500 copies), health assisting (200 copies), conservation (125 copies), and a final report (50 copies).

AR 78 0437

**Occupational Education Staff Development Services.**
**Project Director:** Beamish, Eric
**Organization:** Cornel Univ., Ithaca, N.Y. Inst. for Research and Development in Occupational Education
**Address:** Stone Hall, Ithaca, NY 14853
**Descriptors:** *Case Studies (Education), Educational Research, Inservice Programs, *Institutional Characteristics, Literature Reviews, *School Demography, *Staff Improvement
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $51,540
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3E-334PS

Recent literature on staff development will be reviewed and case studies will be conducted at institutions which vary by region and in population density, organizational style, financial status, institutional goals, and historical context of staff development programs. Several models and methods of staff development will be outlined in the project reports. Reports of the activities and findings will be prepared and distributed to state education department personnel.

AR 78 0438

**Optimum Utilization of Resources in Occupational Education–Phase II.**
**Project Director:** Beilby, Albert
**Organization:** Cornel Univ., Ithaca, N.Y. Inst. for Research and Development in Occupational Education
**Address:** Stone Hall, Ithaca, NY 14853
**Descriptors:** *Cost Effectiveness, Curriculum Development, *Information Dissemination, Program Costs, *Program Evaluation, *Resource Guides, *Teacher Developed Materials
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $37,345
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-333-PS

In Phase II of the project, the resource guide of faculty-produced materials in occupational education will be expanded, evaluated, and distributed. The material distribution mechanism will be evaluated and the continuation of the catalog distribution system will be formalized. Further objectives will include identifying and collecting development cost data on three differing instructional development projects funded through VEA for FY 1978, working with faculty involved in VEA projects to develop measures of effectiveness, determining current and projected cost effectiveness of VEA projects, and comparing results with conventionally taught alternatives. Approximately 800 guides will be distributed throughout the state. In addition, two presentations on the exchange network will be made to professional associations, and 200 cost studies will be distributed.

AR 78 0439

**Pilot Study: To Test the Effectiveness of Three Methods of Racism-Sexism Training.**
**Project Director:** Frizzi, Richard J.
**Organization:** Central Islip UFSD, NY
**Address:** Wheeler Road, Central Islip, NY 11722
**Descriptors:** Changing Attitudes, *Comparative Analysis, Discriminatory Attitudes (Social), Educational Research, *Educational Strategies, Humanistic Education, *Program Effectiveness, *Racism, Seniors, *Sex Discrimination, *Student Attitudes
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $4,970
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** C-141290

This pilot study will test the effectiveness on high school seniors of three types of programs designed to combat institutional racism and sexism. The program types will be a structured discussion models, a simulation game (Starpower), and a movie and discussion group. In the first type, a traditional

discussion session will be held. In Starpower, participants will divide into small groups, bargain, trade, and interact. Preplanned questions will cover topic areas related to individual and institutional racism and sexism. In the movie workshop, three films will be shown depicting racism and sexism in society and will be followed by an unstructured question and answer period. Students in all groups will then complete a questionnaire regarding their feelings, behavioral intentions, and knowledge.

**AR 78 0440**

**Social Impact of Occupational Education: A Study of Educational Benefits of Occupational Education.**

**Project Director:** Dunn, James
**Organization:** Cornell Univ., Ithaca, N.Y. Inst. for Research and Development in Occupational Education
**Address:** Stone Hall, Ithaca, NY 14853
**Descriptors:** *Educational Benefits, Parent Attitudes, *Program Evaluation, *Program Planning, Student Opinion
**Funding Period:** Start Date 1 Feb 78; End Date 31 Jan 79
**Fiscal Year Funding:** $39,934 (Charged to FY 1979)
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 79-3A-944-GS

Benefit statements of occupational education beyond skill training will be delineated as perceived by students, graduates, and parents of occupational education students. A research strategy and measurement system will be designed and pilot tested to verify and quantify the existence of the perceived outcomes; research procedures and perceived outcomes will be validated through wider field testing. Project staff will plan for state-wide implementation of the research strategy based on the results of the pilot and field test activities. Procedures will include survey instrument development; program visitation; data collection from student, parent, and educator interviews; and data analysis and summarization. The benefit statements will be combined with literature and survey review findings to be used in developing research items for the next project phases.

**AR 78 0441**

**Staff Professionalization in Occupational Education: Maintenance and Upgrading of the Professional Competencies of Occupational Educators.**

**Project Director:** Cohen, Lee
**Organization:** City Univ. of New York, N.Y. Inst. for Research and Development in Occupational Education
**Address:** 33 West 42nd Street, New York, NY 10036
**Descriptors:** Data Collection, Educational Needs, *Information Needs, Inservice Teacher Education, *Skill Development, Staff Improvement, *Surveys, Teacher Attitudes, *Teacher Improvement, *Teaching Skills, *Vocational Education Teachers
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $42,234
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 77-C-742

Occupational educators will be surveyed to determine the services and information needed by them in order to maintain and upgrade their professional competencies.

**AR 78 0442**

**Study of the Validity and Feasibility of Impact Ratings for Use in Funding and Evaluation.**

**Project Director:** Tittle, Carol Kehr
**Organization:** City Univ. of New York, N.Y. Graduate School and Univ. Center
**Address:** Institute for Research and Development in Occupational Education, 33 West 42nd St., New York, NY 10036
**Descriptors:** *Educational Finance, Educational Research, *Feasibility Studies, Flow Charts, *Formative Evaluation, *Program Development
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $47,699
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3A-540

To establish the validity of variables for identifying high-impact projects, impact variables will be tested and related to the funding decision. Positive responses by participants will indicate that the variables are valid. A flow chart will supplement the final report. Implementation is expected in 1981.

**AR 78 0443**

**Study to Determine the Effectiveness of the PLATO System in the Health Career and Chemical Technician Programs.**

**Project Director:** Love, Robert
**Organization:** State Univ. of New York, Alfred. Agricultural and Technical Coll.
**Address:** Alfred, NY 14802
**Descriptors:** *Chemical Technicians, *Computer Assisted Instruction, *Health Occupations, Programed Materials, *Program Effectiveness, *Program Evaluation
**Identifiers:** *Programmed Logic for Automatic Teaching Operations
**Funding Period:** Start Date 1 Jan 78; End Date 30 Sep 78
**Fiscal Year Funding:** $9,600
**Sponsoring Agency:** New York State Dept. of Education, Albany
**Contract and/or Control No.:** C-141629

To determine the effectiveness of the hardware and software materials of the Programmed Logic for Automatic Teaching Operations (PLATO) system for use with students in the health career and chemical technician programs, the 310 freshmen in these programs will evaluate the learning modules at the end of every program. Study results will provide data for incorporating the PLATO system into the allied health and career programs, and eventually into other career programs.

**AR 78 0444**

**Survey of Studies Using Labor Market Supply and Demand Models: An Annotated Bibliography.**

**Project Director:** Peckham, Marilyn
**Organization:** New York State Education Dept, Albany. Bureau of Occupational Education Research
**Address:** Albany, NY 12234
**Descriptors:** *Annotated Bibliographies, Labor Market, *Labor Supply, *Manpower Needs, *Mathematical Models
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Note:** Additional funds were not required for this project.
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** BOER-78-3

An annotated bibliography will be compiled of studies which appeared in Educational Resources Information Center (ERIC) publications and which used labor market supply and demand models to link vocational education supply to labor market demand. The bibliography will be used to determine if proposals submitted by the Comprehensive Employment and Training Act (CETA) duplicate previous efforts.

**AR 78 0445**

**Two-Year College Developmental Studies Programs for Occupational Education Students.**

**Project Director:** Fadale, LaVerna M.
**Organization:** Cornell Univ., Ithaca, N.Y. Inst. for Research and Development in Occupational Education
**Address:** Stone Hall, Ithaca, NY 14853
**Descriptors:** *Academic Achievement, Community Colleges, Educational Research, Educational Resources, Employment Level, Junior Colleges, *Junior College Students, *Longitudinal Studies, *Vocational Followup
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $34,158
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-335PS

A longitudinal study will be conducted of postsecondary occupational education students enrolled in developmental studies programs in 1976 to obtain data for a research report on the impact of developmental skills programs in two-year colleges on subsequent student achievement in career programs. Project activities will also include the development and field test of a resource packet and manual for use by two-year college staff involved in developmental skills programs. The research report and six site reports will be distributed to each of the cooperating sites. Three regional drive-in workshops will disseminate research results and field test draft versions of the techniques suggested. Resource materials will be disseminated to all two-year colleges in New York.

## Exemplary and Innovative (Sec. 132)

**AR 78 0446**

**Career Occupational Assessment Centers for HELP (COACH).**

**Project Director:** Wolff, Frank J.
**Organization:** Nassau Board of Cooperative Educational Services, Westbury, N.Y.
**Address:** Valentine Road and Plain Road, Westbury, NY 11590
**Descriptors:** *Disadvantaged Groups, *Economically Disadvantaged, *Educationally Disadvantaged, *Employment Programs, Job Applicants, Learning Modules, *Occupational Guidance, Prevocational Education, Program Development, *Vocational Counseling

**Funding Period:** Start Date 1 May 78; End Date 30 Jan 79
**Fiscal Year Funding:** $55,670
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3B-791

Career assessment services will be provided to 300 individuals with academic, socioeconomic, employment, or training deficits. The individuals will be referred from employment and training as well as social agencies. The agencies will be involved in project planning and implementation. A minimum of ten of these agencies will adapt career training modules to the populations they serve. The persons referred will participate in learning activities to increase employability in the current labor market. Cost effectiveness of the model will be monitored and a dissemination plan for replicable aspects of the project will be delivered.

**AR 78 0447**

**Development of Programs for Transition from Unit Record Equipment to On-Line System.**
**Project Director:** Bobrow, Samuel
**Organization:** Mount Vernon Public Schools, N.Y.
**Address:** 165 N. Columbus Avenue, Mt. Vernon, NY 10550
**Descriptors:** *Computer Programs, *Curriculum Development, *Data Processing, *Learning Modules, *Office Occupations Education, *On Line Systems
**Funding Period:** Start Date 1 Mar 78; End Date 30 Sep 78
**Fiscal Year Funding:** $6,035
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3B-707

The project goal is the development of a curriculum in data processing that will incorporate the transitional stage from unit record equipment to electric data processing. General objectives of the courses to be developed include: (1) introduction of the subject area of data processing; (2) student familiarization with modern office techniques employing data processing operations; (3) illustrations of typical examples of data processing operations performed in business; and (4) student preparation for entry-level employment in the data processing field. A curriculum workshop staffed by data processing instructors will be organized to develop curriculum modules that encompass the transitional stage from unit record equipment to electric data processing. These modules will serve as instructional tools for the data processing state of the art and will also expand instruction to meet anticipated future needs. The final product will be a curriculum that utilizes computer equipment capable of processing data through terminals in off-line batch quantities to meet current and future industry needs.

**AR 78 0448**

**Full-Scale Construction Model for Related Architectural Drawings.**
**Project Director:** Oliver, William S.
**Organization:** Onondaga Community Coll., Syracuse, N.Y.
**Address:** Syracuse, NY 13215
**Descriptors:** *Architectural Drafting, *Architectural Education, *Construction (Process), *Instructional Aids, Instructional Materials, *Models, Paraprofessional Personnel, *Technical Education, Technical Occupations
**Funding Period:** Start Date 1 Mar 78; End Date 30 Mar 78
**Fiscal Year Funding:** $6,002
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3B-820

A full-scale construction model will be produced to be used as an instructional aid in an architectural technology course. The model will reduce learning time by enabling students to better perceive the relationship between the three-dimensional object and its graphic representation. The model components will be assembled using non-standard fastening methods which allow pieces to be dismantled and reused. Where practical, cut-away elements will be employed to allow for viewing from within an assembly. This reusable instructional tool will also be used for subsequent reinforcement of construction principles.

**AR 78 0449**

**Incorporating Mini-Calculators into the Accounting and Recordkeeping Curriculums.**
**Project Director:** Bobrow, Samuel
**Organization:** Mount Vernon Public Schools, Yonkers, N.Y.
**Address:** 145 Palmer Road, Yonkers, NY 10701
**Descriptors:** *Accounting, Bookkeeping, *Calculation, *Curriculum Development, *Electromechanical Aids, Instructional Aids, *Learning Modules, *Recordkeeping, State Standards
**Funding Period:** Start Date 1 Mar 78; End Date 31 Oct 78
**Fiscal Year Funding:** $3,915
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3B-708

The project will develop curriculum modules in accounting and recordkeeping which incorporate the use of the mini-display calculator. The curriculum will be developed according to the guidelines of the New York State accounting and recordkeeping syllabi and as defined by the Leonard J. West bookkeeping study commissioned by the bureau of occuptional education research. The modules developed will be designed to bring the level of instruction up to job market standards and thereby meet the needs of students as well as those of the local business community.

**AR 78 0450**

**Mobile Career Exploration Unit.**
**Project Director:** McCormick, John
**Organization:** Monroe Board of Cooperative Educational Services, Fairport, N.Y.
**Address:** 41 O'Conner Road, Fairport, NY 14450
**Descriptors:** *Audiovisual Programs, *Career Education, Educational Opportunities, High Schools, *Information Centers, Manpower Needs, *Mobile Educational Services, *Occupational Information, Secondary Education
**Funding Period:** Start Date 1 Feb 78; End Date 30 Sep 78
**Fiscal Year Funding:** $43,769
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3B-727

The project will establish a portable career information center to provide component district high schools with an occupational information system which will allow for constant updating of information. A trailer or bus will be equipped with audiovisual projection equipment. Videotapes and slides will be prepared describing the training shops available in the occupational center. Training opportunities will be matched with local business and industry employment needs.

**AR 78 0451**

**Model Industry Education Collaborative: Processes for Developing Entry-Level Employment Standards.**
**Project Director:** Quarles, George
**Organization:** New York City Board of Education, Brooklyn
**Address:** 110 Livingston Street, Brooklyn, NY 11201
**Descriptors:** *Employer Attitudes, *Information Utilization, Job Skills, Occupational Information, *Program Development, Program Evaluation, Skill Development, *Student Employment, Task Performance
**Funding Period:** Start Date 1 Apr 78; End Date 31 Aug 79
**Fiscal Year Funding:** $33,229
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** C-141564

A bank of information concerning the adequacy of student preparation for employment and employers' resistance to hiring student trainees will be developed to establish training requirements for entry-level employment in various occupations. Project staff will define apparent inadequacies and strengths of the supportive preparation process, determine reasons for employer resistance to employing youth, and relate the reasons to the preparation process. Inventory processes used in education systems that supplement skill training in preparing youths for employment will be reviewed, and past research and literature concerning behavioral factors affecting employee readiness and job performance will be investigated.

**AR 78 0452**

**Revising Automated Typing Curriculum to Meet State Standards.**
**Project Director:** Bobrow, Samuel
**Organization:** New Rochelle Public Schools, N.Y.
**Address:** 515 North Avenue, New Rochelle, NY 10801
**Descriptors:** *Automation, Curriculum Development, Instructional Aids, *Mechanical Teaching Aids, State Standards, Tape Recordings, *Typewriting
**Funding Period:** Start Date 1 Mar 78; End Date 30 Sep 78
**Fiscal Year Funding:** $6,798
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3B-720

The project proposes to revise an automated typing curriculum and develop such a curriculum for advanced classes. Both will comply with state standards. The sequence of taped presentations of the present system will be rearranged to conform with the sequence presented in the state syllabus. New instructional aids, such as recorded cassettes and written materials, will be developed to improve the present instruction. In addition, automated lessons and materials for use in advanced typing classes will be produced. All materials will be developed in relation to the needs of the local business community.

AR 78 0453

**Training Program in Small Business for Unemployed or Underemployed Greek Residents.**
**Project Director:** Byrd, Donald
**Organization:** LaGuardia Community Coll., Long Island City, N.Y.
**Address:** 31-10 Thomson Ave., Long Island City, NY 11101
**Descriptors:** *Business Administration, *Educational Programs, English (Second Language), *English Instruction, Management Education, *Underemployed, *Unemployed, Work Experience Programs
**Identifiers:** *Greeks
**Funding Period:** Start Date 1 Feb 78; End Date 30 Sep 78
**Fiscal Year Funding:** $24,560
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3B-823

A training program in small business management will be established for unemployed or underemployed local Greek residents. Twenty Greek persons interested in working in or establishing a small business will be screened and selected for the program. The career-oriented training program will consist of English language instruction related to the field of business administration and management. After the first four months of instruction, students will be placed in cooperative work placements in neighborhood businesses. The planning and execution of the project will be conducted with the support of the Hellenic-American Neighborhood Action Committee of Astoria.

## Curriculum Development (Sec. 133)

AR 78 0454

**Agricultural Education Curriculum Materials Development.**
**Project Director:** Wicks, Lyle L.
**Organization:** State Univ. of New York, Ithaca. Coll. of Agriculture and Life Sciences at Cornell Univ.
**Address:** Ithaca, NY 14853
**Descriptors:** *Agricultural Education, Curriculum Development, *Handicapped Students, *Instructional Materials, Learning Modules, Teacher Developed Materials
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $31,792
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-489

Procedures will be implemented to identify, evaluate, develop, test, and distribute instructional materials to agricultural programs in New York with twenty-five percent of the funds devoted to programs serving the handicapped student. All agencies concerned with curriculum development, agriculture teachers, and state education department personnel will be involved. Systematic procedures will be used to identify priority needs of agricultural education teachers. In-depth searches will be conducted for materials prepared by teachers, other colleges, and industries to avoid duplication of effort. The instructional materials developed will be designed to complement and support the modular approach to agricultural education. Copies of the materials will be distributed to New York teachers of agriculture.

AR 78 0455

**Articulation between Rockland Community College Career Programs and Secondary Schools.**
**Project Director:** Lowell, Earl
**Organization:** Rockland Community Coll., Suffern, N.Y.
**Address:** 145 College Road, Suffern, NY 10901
**Descriptors:** *Articulation (Program), *Career Development, *Community Colleges, *High Schools, Job Placement, Junior Colleges, Multimedia Instruction, *Program Development, Secondary Education, *Teacher Workshops
**Funding Period:** Start Date 1 Sep 77; End Date 30 Sep 78
**Fiscal Year Funding:** $9,800
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-421

The goal of the project is to improve articulation between secondary schools and Rockland Community College. A review will be conducted regarding the compatability of academic high school programs with community college career programs. A workshop will be conducted for seventy-five secondary and community college personnel on the implications of career development versus job placement. The project will also develop a multimedia program on career development for use at the high school level. A preliminary articulation document with specific recommendations for ways to increase and enhance articulation practices will be produced.

AR 78 0456

**Bilingual Engineering Technology Study Guides.**
**Project Director:** Prince, Jack
**Organization:** City Univ. of New York, Bronx. Bronx Community Coll.
**Address:** West 181st St. and University Avenue, Bronx, NY 10453
**Descriptors:** *Bilingual Education, Community Colleges, Curriculum Development, *Engineering Technology, *Mathematics Curriculum, *Physics Curriculum, Postsecondary Education, *Spanish Speaking, *Study Guides
**Funding Period:** Start Date 1 Feb 78; End Date 30 Sep 78
**Fiscal Year Funding:** $18,775
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-824

The project will produce thirty bilingual study guides in introductory physics and math courses for Spanish-speaking engineering technology students. The study guide will be evaluated by students and faculty in engineering technology with followup evaluation to be conducted at the conclusion of the 1978 spring and fall semesters. The follow-up study will include an analysis of student retention of materials presented in math and physics courses.

AR 78 0457

**Competency-Based, Occupational Curriculum Development Project.**
**Project Director:** Hollwedel, Edgar J.
**Organization:** Rochester City School District, N.Y.
**Address:** 13 South Fitzhugh Street, Rochester, NY 14614
**Descriptors:** Curriculum Development, *Inservice Teacher Education, *Instructional Materials, *Learning Modules, *Performance Based Education, *Task Analysis
**Funding Period:** Start Date 1 Jan 78; End Date 30 Sep 78
**Fiscal Year Funding:** $47,098
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-745

The project proposes to develop, refine, and disseminate improved instructional materials and methodologies for occupational education at all levels. Additional objectives will be to develop curriculum management models in seven occupational program areas and assess, design, and implement curriculum development and inservice training for occupational education teachers. Teachers will receive inservice training in the definition and structure of modularized curriculum. Curriculum developers will then identify and classify job-related competencies. As final products, competency-based curricula in twenty-five occupational subject areas will be published.

AR 78 0458

**Feasibility Investigation to Modify Existing Service Technician Curriculum to Address Alternative Energy Systems.**
**Project Director:** Hopkins, Walter
**Organization:** Ulster County Community Coll., Stone Ridge, N.Y.
**Address:** Stone Ridge, NY 12484
**Descriptors:** Community Colleges, *Curriculum Planning, Employment Opportunities, *Energy, *Feasibility Studies, Junior Colleges, *Machine Repairmen, Occupational Information, *Paraprofessional Personnel, Postsecondary Education, *Technical Occupations
**Funding Period:** Start Date 3 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $9,064
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-825

A study will be conducted to investigate the feasibility of modifying existing service technician curricula to address alternative energy systems. The project will study emerging alternate energy technology and determine those aspects of developing alternate energy technologies suitable for inclusion into programs at the two-year college level. Procedures will include corresponding and visiting with industrial and professional organizations in the energy field. The project will produce a listing of entry-level positions in these new fields that require paraprofessional training. The listings will include job descriptions, entry-level skills, and competencies.

AR 78 0459

**Instructional Support System for Occupational Education (ISSOE).**
**Project Director:** Vogrin, Adrienne
**Organization:** Hamilton-Fulton-Montgomery Board of Cooperative Educational Services, Johnstown, N.Y.
**Address:** P.O. Box 665, Johnstown, NY 12095
**Descriptors:** Articulation (Program), Auto Mechanics (Occupation), *Behavioral Objectives, Carpenters, Conservation Education, Curriculum Development, *Job Skills, *Learning Modules, *Performance Based Education, *School Industry Relationship, Sex Stereotypes, Task Analysis, *Teacher Developed Materials

**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $40,688
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-579

To prepare students with the knowledge, skills, and understandings directly related to employment needs, project staff will prepare teacher-generated occupational modules of instruction validated by industry, develop a management system for using these modules, and establish competency files for students enrolled in the occupational courses. Curriculum content will be determined through consultation with industry representatives and instructors responsible for its delivery. Major performance objectives will be refined to include activities which enable the competency to be understood by students, educators, and business and industry personnel. Teacher training institutions will be involved in the project. A regional coordinator will organize a delivery plan for introducing ISSOE materials, provide measures to eliminate sex-role stereotyping, and articulate programs with postsecondary institutions.

**AR 78 0460**

**Instructional Support System for Occupational Education (ISSOE).**
**Project Director:** Wolff, Frank
**Organization:** Nassau County Board of Cooperative Educational Services, Westbury, N.Y.
**Address:** Valentine and Plain Road, Westbury, NY 11590
**Descriptors:** Auto Mechanics (Occupation), Carpenters, Conservation Education, Curriculum Development, Food Service Occupations, Health Occupations, *Inservice Teacher Education, *Learning Modules, Office Occupations, *Performance Based Education, *Preservice Education, *Task Analysis
**Funding Period:** Start Date 1 Sep 77; End Date 31 Jul 78
**Fiscal Year Funding:** $65,044
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-690

Instructional modules will be developed and validated in the areas of auto mechanics, carpentry, conservation, food service, health, and office occupations for a program which includes modularized curriculum, competency-based instruction, and assessment of student achievement based on real work-world criteria. The learning modules, based on validated competencies, will be implemented through preservice and inservice education. A grade-reporting system will be structured for both student and teacher use.

**AR 78 0461**

**Instructional Support System for Occupational Education (ISSOE).**
**Project Director:** Quarles, George R.
**Organization:** New York City Board of Education, Brooklyn
**Address:** 110 Livingston Street, Brooklyn, NY 11201
**Descriptors:** *Auto Mechanics (Occupation), Curriculum Development, *Food Service Occupations, *Inservice Teacher Education, *Learning Modules, *Performance Based Education, *Teacher Developed Materials, Teacher Workshops
**Funding Period:** Start Date 1 Jul 77; End Date 30 Sep 78
**Fiscal Year Funding:** $24,690
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-931

To facilitate the development of modular curriculum in the food and automotive occupational areas, twenty-five teachers from each area will be recruited to participate in a minimum of five inservice workshops to develop the modules. The modules will then be field tested and the results compiled for revision. Final products will be 130 automotive and 106 food curriculum modules. A food course content outline will also be developed for state-wide use and review.

**AR 78 0462**

**Instructional Support System for Occupational Education (ISSOE).**
**Project Director:** Hollwedel, Edgar J.
**Organization:** Rochester City School District, N.Y.
**Address:** 13 S. Fitzhugh Street, Rochester, NY 14614
**Descriptors:** Auto Mechanics (Occupation), Carpenters, Conservation (Environment), Curriculum Development, Office Occupations, *Performance Based Education, Retailing, Secondary Education, *Teacher Developed Materials
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $74,410
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-591

Teacher-written curriculum modules will be developed based on competencies validated by industry in the area of carpentry, general retailing, and conservation. Modules in automotive mechanics and office training will be expanded. The materials will be developed in cooperation with inservice training at the state university, and major objectives in all modules will be classroom tested. The materials will be disseminated to regional coordinators and to other instructional staff and agencies to assist in developing a student reporting system and modules of entry-level skills for specific minority, disadvantaged, and handicapped students. Products will include automotive mechanics and office training curriculum to be used in twenty-five additional component high schools.

**AR 78 0463**

**Instructional Support System for Occupational Education (ISSOE).**
**Project Director:** Sullivan, Arthur D.
**Organization:** Suffolk County Board of Cooperative Educational Services, Dix Hills, N.Y.
**Address:** 507 Deer Park Road, Dix Hills, NY 11746
**Descriptors:** Behavioral Objectives, Building Trades, Carpenters, Curriculum Development, Curriculum Evaluation, Food Service Occupations, Health Occupations, *Inservice Teacher Education, *Job Skills, *Learning Modules, *Performance Based Education, *Preservice Education, *Program Effectiveness, Task Analysis, Vocational Followup
**Funding Period:** Start Date 1 Aug 77; End Date 30 Jun 78
**Fiscal Year Funding:** $42,749
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-689

Learning modules based on validated competencies will be developed for carpentry, food service, building industry trades, and health-related occupations. The modules will be implemented through preservice and inservice education. Student placement data will be used to evaluate program effectiveness.

**AR 78 0464**

**Instructional Support System for Occupational Education (ISSOE).**
**Project Director:** Cardillo, Rocco C.
**Organization:** Yonkers City School District, N.Y.
**Address:** 145 Palmer Road, Yonkers, NY 10701
**Descriptors:** Articulation (Program), *Behavioral Objectives, Curriculum Development, *Job Skills, *Learning Activities, Learning Modules, *Performance Based Education, School Industry Relationship, Sex Stereotypes, Task Analysis, *Teacher Developed Materials
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $51,171
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-673

To prepare students with the knowledge, skills, and understanding directly related to employment needs, project staff will prepare teacher-generated occupational modules of instruction validated by industry, develop a management system for using these modules, and establish competency files for students enrolled in the occupational courses. Curriculum content will be determined through consultation with industry representatives and instructors responsible for its delivery. Major performance objectives will be refined to include activities which enable the competency to be understood by students, educators, and business and industry personnel. Teacher training institutions will be involved in the project. A regional coordinator will organize a delivery plan for introducing ISSOE materials, provide measures to eliminate sex-role stereotyping, and articulate programs with postsecondary institutions.

**AR 78 0465**

**Instructional Support System for Occupational Education (ISSOE) II.**
**Project Director:** Dunn, James R.
**Organization:** Cornell Univ., Ithaca, N.Y. Inst. for Research and Development in Occupational Education
**Address:** College of Agriculture and Life Sciences, Ithaca, NY
**Descriptors:** *Conferences, *Educational Innovation, *Literature Reviews, *Master Plans
**Funding Period:** Start Date 1 Feb 78; End Date 30 Sep 78
**Fiscal Year Funding:** $8,676
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-891

To make the implementation, expansion, and use of ISSOE more effective, project staff will review recent literature on the implementation of educational innovations, conduct a program to tentatively identify the linkage elements thought to have the greatest impact on the implementation of ISSOE, and develop a master plan for implementing ISSOE. A series of conferences will be held and a literature review produced.

AR 78 0466

**Instructional Support System for Occupational Education (ISSOE) II.**

**Project Director:** Reilly, Terence
**Organization:** Oswego Board of Cooperative Educational Services, Mexico, N.Y.
**Address:** Box 488 Mexico, NY 13114
**Descriptors:** Articulation (Program), Curriculum Development, Educational Coordination, *Inservice Teacher Education, *Job Skills, *Program Administration, School Community Cooperation
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $21,850
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-670

A plan to introduce the ISSOE project to appropriate agencies within Oswego and Onondaga counties, including Syracuse City Schools, will be organized and implemented. A management plan will be identified that provides students with the opportunity to acquire the knowledge, skills, and understanding related to and required for employment. A process for validation of the materials by occupational professionals will be coordinated. Project procedures will include review of the 1976-77 curriculum development efforts with administrative personnel in Oswego and Onondaga counties as well as the development and maintenance of communication and articulation with regional agencies and groups. Teacher inservice workshops relating to curriculum development will be conducted.

AR 78 0467

**Instructional Support System for Occupational Education (OSSOE) II.**

**Project Director:** Abramson, Theodore
**Organization:** City Univ. of New York, N.Y. Inst. for Research and Development in Occupational Education
**Address:** 33 West 42nd Street, New York, NY 10036
**Descriptors:** *Comparative Analysis, *Curriculum Evaluation, *Guidelines, *Program Validation, Secondary Education, Vocational Education Teachers
**Funding Period:** Start Date 1 Sep 77; End Date 31 Aug 78
**Fiscal Year Funding:** $51,937
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-878

ISSOE curriculum areas will be validated by comparing the ISSOE materials to validated Vocational-Technical Education Consortium of States (V-TECS) and Department of Defense (DOD) curriculum materials. Procedures will include obtaining V-TECS and DOD materials, comparing sets of tasks and skills with ISSOE lists, reporting percentages of agreement and discrepancy, and recommending areas for further ISSOE development. The project will also develop a set of guidelines for occupational education teachers that describes the ISSOE approach to assessment, provides examples, and demonstrates applications.

AR 78 0468

**New Career Titles in the Fast Food Industry.**

**Project Director:** Mombert, William
**Organization:** New York State Agricultural and Technical Coll., Alfred
**Address:** Alfred, NY 10458
**Descriptors:** *Associate Degrees, *Business Administration, Career Education, *Directories, Educational Opportunities, *Employment Opportunities, *Food Service Industry, Graduates, *Management Development, Occupational Information
**Funding Period:** Start Date 1 Jan 78; End Date 30 Sep 78
**Fiscal Year Funding:** $8,710
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-779

A directory of fast food companies interested in recruiting two-year business administration graduates as trainees for internal management-development programs will be produced. This directory will include a classification of the types of entry-level, management-oriented positions available to two-year business administration graduates. Appropriate job descriptions will be included. In addition, the project will develop career awareness instructional modules in the area of fast food management.

AR 78 0469

**Occupational Curriculum Development for Mentally Handicapped Students.**

**Project Director:** Harris, Orville P.
**Organization:** Erie Board of Cooperative Educational Services, Lancaster, N.Y.
**Address:** Pleasant Avenue West, Lancaster, NY 14086
**Descriptors:** Curriculum Development, Curriculum Research, *Educable Mentally Handicapped, *Employment Opportunities, *Handicapped Students, Individualized Curriculum, *Inservice Education, *Manpower Needs, *Student Employment, Task Analysis, Task Performance
**Funding Period:** Start Date 1 Mar 78; End Date 30 Sep 78
**Fiscal Year Funding:** $17,866
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-725

The project will develop, review, and modify two curriculum outlines designed to meet the needs of average educable mentally retarded (EMR) students. Potential employers in the Niagara Frontier region will be contacted about the types of jobs available for handicapped students. Levels of competencies will then be established for the identified jobs, and student employment profiles relating to labor market needs will be developed. Inservice programs will be provided for vocational staff on the problems of handicapped students in order to aid teachers in developing the individualized instructional materials.

AR 78 0470

**Optimal Utilization of Resources in Occupational Education–Phase II.**

**Project Director:** Rodgers, Thomas
**Organization:** Cornell Univ., Ithaca, N.Y. Inst. for Research and Development in Occupational Education
**Address:** Stone Hall, Ithaca, NY 10458
**Descriptors:** *Educational Resources, *Information Dissemination, *Instructional Materials, *Resource Guides
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $37,345
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-333PS

An updated and expanded resource guide to locally produced vocational education instructional materials will be produced. Additional material will be solicited from the Board of Cooperative Educational Services' staffs as well as from two-year college faculty. Eight regional meetings will be conducted for the purpose of disseminating the resource guide. This resource guide for teachers of vocational education will be a medium for disseminating curriculum materials and will encourage formal regional systems of maintaining currency in occupational education.

AR 78 0471

**Programmed Instruction Manual for New Solar and Energy Conservation Laboratory.**

**Project Director:** Taub, Leon J.
**Organization:** State Univ. of New York, Farmingdale. Agricultural and Technology Coll.
**Address:** Lupton Hall, Farmingdale, NY 11735
**Descriptors:** Conservation Education, Curriculum Development, *Energy Conservation, *Laboratory Experiments, *Laboratory Manuals, *Programed Instruction, *Programed Materials, *Solar Radiation
**Funding Period:** Start Date 1 May 78; End Date 30 Sep 78
**Fiscal Year Funding:** $5,445
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-794

A programmed instruction manual for laboratory experiments in solar and energy conservation will be produced to include one section each of the theory, operation, data collection, performance calculation, and comparative discussion for each of fifteen experiments in solar and energy conservation. Programmed learning techniques will be used to present the material to the student.

AR 78 0472

**Shared Curriculum Coordinator.**

**Project Director:** Nicholson, Edward
**Organization:** Oswego Board of Cooperative Educational Services, Mexico, N.Y.
**Address:** Box 488, Mexico, NY 13114
**Descriptors:** *Coordinators, Curriculum Development, *Curriculum Evaluation, Delivery Systems, *Educational Coordination, Information Dissemination, *Shared Services
**Funding Period:** Start Date 1 Jul 77; End Date 30 Sep 78
**Fiscal Year Funding:** $29,236
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-671

Project staff will monitor and evaluate the curriculum areas developed in 1976-77, provide feedback and development to teachers, and disseminate Instructional Support System for Occupational Education (ISSOE) materials. Periodic meetings will be conducted with appropriate administrators to develop continuing liaison practices. The activities of ISSOE within the Oswego and Onondaga county area will be developed and integrated. Periodic meetings

with teachers will provide for feedback to determine areas in need of change within the new curriculum. The project will also provide a written plan of action for the implementation of a job literacy skill development program.

**AR 78 0473**

**Spanish Tape-Recording of Laboratory Procedures for Chemistry Technology Students.**
**Project Director:** Gracian, Deloras
**Organization:** City Univ. of New York, Bronx. Bronx Community Coll.
**Address:** West 181 St. and Univ. Avenue, Bronx, NY 10453
**Descriptors:** *Audiotape Recordings, *Chemical Technicians, Curriculum Development, *Instructional Aids, *Laboratory Procedures, Learning Modules, *Spanish, *Spanish Speaking
**Funding Period:** Start Date 1 Feb 78; End Date 31 Aug 78
**Fiscal Year Funding:** $10,051
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-772

Audiotapes in the Spanish language will be provided for first semester chemistry technology students. Nineteen audiotapes on laboratory procedures for chemistry technology students will be translated from English into Spanish to help overcome learning difficulties experienced by the first semester Spanish-speaking students. Evaluation of the Spanish-language tape program will include faculty assessment, pretests, posttests, and grades. The audiotape modules will be produced with potential for utilization at other institutions.

**AR 78 0474**

**Trends and Prospects for the AAS Degree Program at Medgar Evers College.**
**Project Director:** Kawatra, Mehandra
**Organization:** City Univ. of New York, Brooklyn. Medgar Evers Coll.
**Address:** 1150 Carroll St., Brooklyn, NY 11225
**Descriptors:** *Associate Degrees, Business Education, *Community Colleges, Curriculum Development, Curriculum Planning, *Educational Needs, Employment Projections, Employment Trends, Junior Colleges, *Manpower Needs, Service Occupations, *Surveys, Technical Education
**Funding Period:** Start Date 1 Sep 77; End Date 30 Sep 78
**Fiscal Year Funding:** $64,092
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-388

The project will analyze the current ability of two-year associate degree college programs to meet present and projected local manpower needs. Analysis of data collected regionally, state-wide, and nationally will determine the adequacy of two-year AAS programs in meeting local manpower needs in business, science technology, and service-related occupations. Also of concern in the study is the extent to which the educational needs of minorities have been met by the two-year AAS college programs. Once the areas of needed programs are identified, new curricula will be developed by project staff.

**AR 78 0475**

**Tri-Level, Computer-Managed, Developmental Physics Program.**
**Project Director:** Kramer, Paul
**Organization:** State Univ. of New York, Farmingdale. Agricultural and Technical Coll.
**Address:** Melville Road, Farmingdale, NY 11735
**Descriptors:** *Computer Managed Instruction, Curriculum Development, Educationally Disadvantaged, Learning Activities, *Physics Curriculum, Programed Instruction, *Student Evaluation
**Funding Period:** Start Date 1 Jan 78; End Date 30 Aug 78
**Fiscal Year Funding:** $6,440
**Sponsoring Agency:** New York State Education Dept., Albany
**Contract and/or Control No.:** 78-3C-781

A computer-based elementary physics course for educationally disadvantaged students will be developed. The course will include activities designed to increase attention span and improve work habits. Daily monitoring of student progress will permit more accurate assessment of student deficiencies. Programmed materials will consist of daily instructional activity sheets, a computer scoring program for each activity, and an individualized assessment of student performance. Evaluation of individual achievement will be conducted by instructors assigned to classes utilizing the programmed materials. A report on project methodology and results will be published.

# NORTH CAROLINA

## Research (Sec. 131)

**AR 78 0476**

**Dissemination of Occupational Education Research, Adult Basic Education, and Other Community College and Technical Institute Information.**
**Project Director:** Boone, Edgar J.
**Organization:** North Carolina State Univ., Raleigh. Dept. of Adult and Community Coll. Education
**Address:** Raleigh, NC 27607
**Descriptors:** *Adult Basic Education, *Community Colleges, *Educational Research, *Information Dissemination, Periodicals, Postsecondary Education, *Technical Institutes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $18,857
**Note:** This project also received $9,428 from Adult Basic Education for FY 1978.
**Sponsoring Agency:** North Carolina State Board of Education, Raleigh

The purpose of the project is to support the continued development and publishing of the "Community College Review" in order to disseminate occupational education, adult basic education, and other community college and technical institute information and research. Procedures will include: (1) employing an editor, managing editor, research assistant, and secretary; (2) contracting with a professional firm for the printing, promotion, and distribution of four quarterly issues of "Community College Review"; (3) promoting subscriptions; (4) providing evaluations of the proper proration of articles as they relate to funding sources; and (5) appointing an editorial board composed of recognized state and national authorities in the field of community college education.

**AR 78 0477**

**North Carolina Rural Renaissance Project–Phase III.**
**Project Director:** Moretz, H. Lynn
**Organization:** Central Piedmont Community Coll., Charlotte, N.C.
**Address:** P.O. Box 4009, Charlotte, NC 28204
**Descriptors:** *Adult Basic Education, *Audiovisual Aids, Community Colleges, Educational Needs, *Learning Modules, *Needs Assessment, Postsecondary Education, *Rural Education, Skill Development, *Staff Improvement, Teacher Developed Materials, Technical Institutes, Workshops
**Funding Period:** Start Date 1 Jul 78; End Date 1 Jul 79
**Fiscal Year Funding:** $48,735
**Note:** This project also received $163,653 under Adult Basic Education and $189,919 in other funds for FY 1979.
**Sponsoring Agency:** North Carolina State Dept. of Education, Raleigh
**Contract and/or Control No.:** 060778-79-C

Phase III of this project will further develop and expand the North Carolina Rural Renaissance Consortium, the purpose of which is to develop staff competencies leading to the design, production, and field testing of audiovisual instructional modules in occupational and adult basic education for state-wide dissemination via existing and projected technology. Objectives of this phase are to (1) draw upon and further develop the experience and talent generated in Phases I and II of the project in order to conduct a needs assessment to identify three courses, each consisting of approximately twenty-six to thirty modules of instruction pertinent to the educational needs of North Carolinians as well as others throughout the country, and use the existing ten North Carolina Rural Renaissance Project (NCRRP) institutions to outline, design, and identify module topics for one complete audiovisual course in each of the three NCRRP regions under the coordination and direction of the three regional coordinating institutions and Central Piedmont Community College; (2) identify two additional institutions in each of the existing three regions to begin staff development and module- production activities modeled after the Phase I and II experience; and (3) conduct field tests of the modules produced in Phases I and II of the NCRRP in up to eight community colleges and technical institutes that are engaged in CETA-funded literacy projects. The project director will be made available, upon reasonable request and prior notice, to serve as a resource person for workshops, conferences, institutes, and association meetings planned and sponsored by groups within the North Carolina Community College System. One copy of each module produced will be provided to the Department of Community College Consortium for Sharing Instructional Materials for state-wide dissemination, and a final report will be produced.

## Exemplary and Innovative (Sec. 132)

**AR 78 0478**

**Career Decision Making.**
**Project Director:** Cooke, Winnie G.
**Organization:** Southeastern Community Coll., Whiteville, N. C.
**Address:** P.O. Box 151, Whiteville, NC 28472
**Descriptors:** *Career Development, *Community Colleges, *Decision Making Skills, Disadvantaged Youth, *Educationally Disadvantaged, Experiential Learning, *Job Search Methods, Mastery Learning, Motivation, Postsecondary Education, *Program Development, Self Evaluation
**Funding Period:** Start Date 1 May 78; End Date 1 Oct 78
**Fiscal Year Funding:** $3,011 (Charged to FY 1977)
**Sponsoring Agency:** North Carolina State Dept. of Education, Raleigh
**Contract and/or Control No.:** 050478-77

A goal of this program is to provide the developmental students that enter Southeastern Community College with the effective programs, personnel, and experiences which allow these students to make sound career decisions based upon knowledge of job requirements and an understanding of their own abilities and interests. Specific objectives are to (1) structure classroom activities in Resources for Student Learning developmental courses that will cause students to be successful; (2) implement techniques that will increase career motivation; (3) assist all developmental students in being able to make valid career decisions; and (4) assist all RSL development students in career entry, maintenance, and progression. Techniques that will be used to cause students to be successful include applying the principles of mastery learning, matching instructional styles with student learning styles, and Glasser's principles of Reality Therapy. Students will be taught how to acquire such job-hunting skills as how to write a resume, how to write letters of application, and interviewing techniques.

**AR 78 0479**

**Development of a Model Preparatory Business Program for Educationally Disadvantaged Students.**
**Project Director:** Purvis, Walter E., Jr.
**Organization:** Martin Community Coll., Williamston, N. C.
**Address:** P.O. Drawer 866, Williamston, NC 27892
**Descriptors:** *Business Education, Community Colleges, Curriculum Development, Demonstration Programs, *Disadvantaged Youth, *Educationally Disadvantaged, Postsecondary Education, Program Development, *Remedial Programs, *Student Placement
**Funding Period:** Start Date 1 Jun 78; End Date 1 Oct 78
**Fiscal Year Funding:** $3,011 (Charged to FY 1977)
**Sponsoring Agency:** North Carolina State Dept. of Education, Raleigh
**Contract and/or Control No.:** 050478-77

Objectives of the project are to develop a model preparatory business program for educationally disadvantaged students and prepare and distribute an evaluation report detailing the nature of the preparatory business program. The services of one full-time business instructor and one quarter-time clerical assistant will be directed to the development of the preparatory business program. The processes employed to develop the program will include a review of related curriculum materials, interviews with former developmental studies students who failed business courses, site visits to other technical institutes and community colleges, use of outside consultants, development of program format, and specification of curriculum and course content.

# NORTH DAKOTA

## Research (Sec. 131)

**AR 78 0480**

**Educational Specifications Handbook on Facilities and Instructional Equipment for North Dakota Secondary School Industrial Arts Programs.**
**Project Director:** Bender, Myron
**Organization:** University of North Dakota, Grand Forks
**Address:** Grand Forks, ND 58202
**Descriptors:** *Educational Equipment, *Educational Facilities, Educational Programs, *Educational Specifications, *Guides, *Industrial Arts, Secondary Education
**Funding Period:** Start Date 1 Sep 77; End Date 31 Mar 78
**Fiscal Year Funding:** $1,458
**Sponsoring Agency:** North Dakota State Board of Vocational Education, Bismarck
**Contract and/or Control No.:** RR-65

The purpose of the project is to develop a handbook for industrial arts programs in the state of North Dakota relative to the educational specifications on facilities and instructional equipment. Project personnel will gather all necessary information from existing state agencies and determine which of these specifications best fit the needs of industrial arts programs in North Dakota. Guidelines will be developed for all industrial arts programs in the state of North Dakota. A handbook will be developed by project personnel and will be made available to all school systems in the state of North Dakota who wish to receive a copy. This handbook will be used as the guide for determining the reimbursement of industrial arts equipment and the establishment of new programs.

**AR 78 0481**

**Identification and Determination of the Needs of Displaced Homemakers in North Dakota–Phase I.**
**Project Director:** Bjork, Del
**Organization:** Minot Public Schools, N. Dak.
**Address:** Minot, ND
**Descriptors:** Adults, Data Collection, *Educational Needs, *Females, Interagency Cooperation, *Needs Assessment, *State Surveys, Unemployed
**Identifiers:** *Displaced Homemakers
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 78
**Fiscal Year Funding:** $1,900
**Sponsoring Agency:** North Dakota State Board for Vocational Education, Bismarck
**Contract and/or Control No.:** RR-73

Purpose of the project is to develop and field test a survey instrument for displaced homemakers that will (1) determine the number of full-time homemakers who, because of death or divorce, are now without a source of income; (2) determine place of residence, age, and dependency status of identified displaced homemakers; (3) determine assistance needed to help displaced homemakers make a satisfactory personal adjustment and wise career choice; and (4) assess financial need and job training or upgrading as necessary to make them employable. The survey will (1) gather information for national displaced homemakers groups to formulate the most effective instrument; (2) meet with North Dakota agencies and organizations concerned with displaced homemakers to localize the instrument and to gain cooperative agreement; (3) develop the survey instrument; (4) field test the survey instrument and make necessary revision; and (5) submit final draft of the survey instrument by June 25, 1978.

**AR 78 0482**

**Project to Develop a State-Wide Promotional Package for ERIC Materials for Vocational Education Personnel.**
**Project Director:** Berntsen, Pat
**Organization:** North Dakota Univ., Grand Forks. ERIC Center
**Address:** Grand Forks, ND 58202
**Descriptors:** Audiovisual Aids, Pamphlets, *Publicize, Teacher Workshops, *Vocational Education Teachers
**Identifiers:** *Educational Resources Information Center
**Funding Period:** Start Date 15 Oct 77; End Date 15 Jun 78
**Fiscal Year Funding:** $3,000
**Sponsoring Agency:** North Dakota State Board for Vocational Education, Bismark
**Contract and/or Control No.:** RR-69

The project's purpose is to develop a promotional package consisting of brochures and other audio visual aids for purposes of expanding the use of the ERIC system in the state of North Dakota. Several workshops will be held including one at the North Dakota Teachers Convention and other similar gatherings of instructors to promote the ERIC Center at the University of North Dakota. Brochures will be mailed to all vocational education instructors in the state of North Dakota along with a set of forms to be used in requesting ERIC searches. The ERIC Center will develop a brochure which will be mailed and will supplement this brochure with an audio visual package which can be loaned to all school systems in the state for purposes of determining how the service can be provided to their schools. Increase utilization of the ERIC system is the major contribution of this activity. The ERIC Center at the University of North Dakota will supplement the instructional materials available to teachers through the utilization of ERIC search procedures.

**AR 78 0483**

**Proposal to Develop a Safety Manual for North Dakota Vocational Programs.**
**Project Director:** Gableman, Jack
**Organization:** Grand Forks Public Schools, N. Dak.
**Address:** Grand Forks, ND 58201
**Descriptors:** Advisory Committees, *Industrial Arts, *Manuals, *Safety, Secondary Education, *Trade and Industrial Education, *Vocational Agriculture
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 78
**Fiscal Year Funding:** $5,000
**Sponsoring Agency:** North Dakota State Board for Vocational Education, Bismark
**Contract and/or Control No.:** R-R-72

The purpose of the project is to develop a safety manual for use in North Dakota secondary schools that offers vocational education programs in the areas of trade and industry, industrial arts, and agricultural education. The safety manual will be developed through the use of a writer or project director and an advisory committee to assist the writer. An initial meeting will be held to determine the scope and format for the proposed publication. Advisory committee personnel will be assigned responsibilities germane to their specific area of interest and will be requested to bring materials with them to the second meeting which is to be held to determine actual content in the manual. The writer will be responsible for integrating all the suggested materials into the manual using the format specified by the advisory committee. A final draft copy will be prepared and submitted for review at a final committee meeting to be held on a date which would provide sufficient time for the writer to complete the final draft for print purposes. The manual will be printed prior to the termination of the project and will be disseminated during an All Service Conference in August 1978.

## Exemplary and Innovative (Sec. 132)

**AR 78 0484**

**Adaptation of Vocational Education Programs for Special Needs: A Slide/Tape Presentation.**
**Project Director:** Crawford, Glinda
**Organization:** North Dakota Univ., Grand Forks
**Address:** Grand Forks, ND 58202
**Descriptors:** *Audiovisual Aids, *Disadvantaged Youth, *Educational Methods, *Handicapped Students, *Inservice Teacher Education, *Instructional Materials, Slides, Tape Recordings, Teaching Techniques
**Funding Period:** Start Date 1 Jul 77; End Date 1 Jun 78
**Fiscal Year Funding:** $4,050
**Sponsoring Agency:** North Dakota State Board for Vocational Education, Bismark
**Contract and/or Control No.:** RR-62

The purpose of the project is to provide audio visual instructional materials in the form of a slide/tape presentation that will be used in workshops to instruct vocational education personnel in the methodologies which can be used in providing instruction to special needs students in North Dakota

schools. Project personnel will develop a series of slides and accompanying tapes which provide a step-by-step instructional procedure for handling the special needs students in vocational education programs. The materials developed will be a component of an EPDA grant to the project personnel and be fully articulated with the materials developed under that major funding grant. Workshops will be provided to vocational education instructors in the utilization of the materials developed under the EPDA grant through the medium of the slide/tape presentations developed under the terms of this contract.

**AR 78 0485**

**Audiovisuals for Special Needs in Occupational Home Economics.**
**Project Director:** Butts, Richard
**Organization:** Magic City Campus, Minot, N. Dak.
**Address:** Minot, ND 58701
**Descriptors:** *Audiovisual Aids, *Disadvantaged Youth, *Handicapped Students, *Home Economics, *Instructional Materials, *Material Development
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $9,000
**Sponsoring Agency:** North Dakota State Board for Vocational Education, Bismark
**Contract and/or Control No.:** RR-59

The purposes of the project are to develop instructional materials for special needs students in the area of home economics and to provide audio visual aids to supplement the instructional materials developed under the terms of the project. The project personnel will continue the activity initiated last year in the development of instructional materials in the area of home economics occupations for special needs students. Project personnel will take slides of students utilizing the equipment and related components of the occupation being taught. These slides will accompany the instructional materials. The project will be in a revision/development phase for the majority of the term of the project and will be responsible for providing a complete set of audio visual instructional aids to accompany any instructional materials. These audio visual aids and instructional packages will be made available to all vocational education programs offering instruction to special needs students in home economics.

**AR 78 0486**

**Career Awareness Materials and Program for Special Needs Students.**
**Project Director:** Haas, Carl
**Organization:** Dickinson Public Schools, N. Dak.
**Address:** Dickinson, ND 58601
**Descriptors:** *Career Awareness, Curriculum Development, Curriculum Guides, *Disadvantaged Youth, *Handicapped Students, *Instructional Materials, *Learning Modules
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $5,000
**Sponsoring Agency:** North Dakota State Board for Vocational Education, Bismark
**Contract and/or Control No.:** RR-61

The purpose of the project is to establish a learning sequential package which is compatible to special needs students in the area of career awareness. The materials developed will provide an opportunity for special needs students to obtain an understanding of the jobs and necessary skills to perform successfully in those jobs. Utilizing some material which has previously been developed and expanding on those materials, the project personnel will supplement the instructional package to include a broader range of career opportunities for special needs as opposed to actual job skills in the occupations being discussed. The existing materials will be utilized to identify the skills and the occupations, but not skill training as such.

**AR 78 0487**

**Development of a Common Program of Study for Office Occupations in North Dakota.**
**Project Director:** Skarp, Tom
**Organization:** Southeast Vocational Center, Oakes, N. Dak.
**Address:** Oakes, ND 58474
**Descriptors:** *Core Curriculum, Curriculum Development, *Curriculum Evaluation, *Instructional Materials, Instructional Programs, *Office Occupations Education, *Teacher Developed Materials, Teacher Participation
**Funding Period:** Start Date 15 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $8,093
**Sponsoring Agency:** North Dakota State Board for Vocational Education, Bismarck
**Contract and/or Control No.:** RR-64

The purpose of the project is to evaluate the existing office education program of study and to determine the content of the upgraded course of study. A secondary objective will be to evaluate existing office education materials available from various state agencies for the purposes of designing a basic core curriculum for office education programs in the state of North Dakota. Existing state agency materials will be evaluated for the purposes of determining their effectiveness in providing an instructional package to the North Dakota office education instructors. A basic core curriculum will be developed utilizing existing state materials and adopting or adapting these materials in their current form as necessary. A curriculum committee of 20 instructors from the secondary, postsecondary, and teacher education programs in the state will be utilized to develop the basic core materials.

**AR 78 0488**

**Floriculture Identification Filmstrips.**
**Project Director:** Haas, Carl
**Organization:** Dickinson Public Schools, N. Dak.
**Address:** Dickinson, ND 58601
**Descriptors:** *Agricultural Education, *Filmstrips, *Floriculture, *Material Development, *Plant Identification
**Funding Period:** Start Date 1 Jul 77; End Date 1 Jun 78
**Fiscal Year Funding:** $2,000
**Sponsoring Agency:** North Dakota State Board for Vocational Education, Bismarck
**Contract and/or Control No.:** RR-63

The purpose of this project is to develop a series of filmstrips in agriculture that are directly related to the area of floriculture. Project personnel will establish a procedure for identifying all floriculture native to the state of North Dakota and will, as a result of this identification, develop the necessary slides to put together a filmstrip that will be made available to all agriculture programs in the state. The materials developed under this contract will be used as a supplement to the existing curriculum package in vocational agriculture. The filmstrips will be made available at cost to all school systems in the state which desire to purchase them.

**AR 78 0489**

**Incorporation of Consumer Education Lessons in Adult Basic Education Programs in North Dakota.**
**Project Director:** Shurr, Harriet
**Organization:** James Valley Vocational Center, Jamestown, N. Dak.
**Address:** Jamestown, ND 58401
**Descriptors:** *Adult Basic Education, *Consumer Education, Curriculum Development, Formative Evaluation, *Instructional Materials, Learning Modules, Material Development, Sequential Learning
**Funding Period:** Start Date 1 Jul 77; End Date 1 Jun 78
**Fiscal Year Funding:** $2,140
**Sponsoring Agency:** North Dakota State Board for Vocational Education, Bismark
**Contract and/or Control No.:** RR-60

The purpose of the project is to provide a component of consumer education in adult basic education programs in two cities in the state of North Dakota. Once developed and field tested, these materials will be made available for any program in the state. The project personnel will compile a package of instructional materials utilizing all common consumer education materials currently available and develop a sequential learning package from these materials. The materials will be subsequently field tested in two locations, Bismarck and Jamestown, in the state of North Dakota for purposes of determining their use in other areas. The materials will be modified as necessary and a complete set of materials made available for use in other programs.

## Curriculum Development (Sec. 133)

**AR 78 0490**

**Curriculum Development Project in Vocational Agriculture and Agribusiness.**
**Project Director:** Luft, Vernon
**Organization:** North Dakota State Univ., Fargo
**Address:** Fargo, ND 58102
**Descriptors:** *Agribusiness, Curriculum Evaluation, *Evaluation, *Instructional Materials, Program Development, Questionnaires, Secondary Education, Surveys, Teachers, Units of Study, *Vocational Agriculture
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 78
**Fiscal Year Funding:** $1,000
**Sponsoring Agency:** North Dakota State Board for Vocational Education, Bismarck
**Contract and/or Control No.:** RR-74

The planning project will (1) determine what units of instruction are currently being taught in the agricultural education programs; (2) collect samples of existing instructional materials and evaluate them for proposed agricultural programs; and (3) investigate and implement plans for incorporating the unit of instruction approach as used by the Mid America Vocational Curriculum Consortium. The project personnel will formulate a survey questionnaire which will be distributed to each instructor in the state of North Dakota who is responsible for teaching agricultural education. The information on the

survey will request instructors to provide description of instructional materials used in teaching agriculture. A second component will involve the utilization of instructional materials developed under a previous curriculum development activity and build a plan of implementation on that activity. The project personnel will also visit the center for curriculum development in Oklahoma which is the center of Mid America Vocational Curriculum Consortium activities.

**AR 78 0491**

**Development of a Common Program of Study for Auto Mechanics in North Dakota.**

**Project Director:** Hunt, Jim
**Organization:** Lake Area Vocational Center, Devils Lake, N. Dak.
**Address:** Devils Lake, ND 58301
**Descriptors:** *Articulation (Program), *Auto Mechanics, *Core Curriculum, Curriculum Development, *Instructional Materials, Postsecondary Education, Secondary Education, Teacher Developed Materials, Teacher Workshops
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $6,000
**Sponsoring Agency:** North Dakota State Board for Vocational Education, Bismark
**Contract and/or Control No.:** RR-71

The project's purpose is to develop a common program of study for the vocational education auto mechanics programs in the state of North Dakota at the secondary level and to utilize existing materials developed by various state agencies in the upgrading of auto mechanics programs in North Dakota. A committee of auto mechanics instructors will develop a common core curriculum for auto mechanics utilizing as the basic set of instructional materials the Auto Mechanics I and Auto Mechanics II developed by the state of Oklahoma. The curriculum committee will determine what instructional materials will need to be developed to supplement the existing Auto Mechanics I and Auto Mechanics II for purposes of implementing these materials in the state of North Dakota. A complete set of instructional materials will be provided to every auto mechanics instructor in the state of North Dakota through a workshop conducted by the project personnel.

**AR 78 0492**

**Development of a Common Program of Study for Building Trades in North Dakota.**

**Project Director:** Sorum, Lyle
**Organization:** Fargo Public Schools, N. Dak.
**Address:** Fargo, ND 58102
**Descriptors:** *Articulation (Program), *Building Trades, *Core Curriculum, Curriculum Development, Postsecondary Education, Secondary Education, Teacher Developed Materials, Teacher Workshops
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $6,000
**Sponsoring Agency:** North Dakota State Board for Vocational Education, Bismark
**Contract and/or Control No.:** RR-66

The project's purpose is to develop a common program of study for building trades in the state of North Dakota by utilizing existing materials available from the various state agencies. A course of study which would be common to all building trades programs in the State of North Dakota will be developed utilizing the residential carpentry program from the state of Oklahoma as the major component. The common program will supplement the existing residential carpentry materials to include other areas of building trades such as drafting, masonry, plumbing, and wiring. A committee of building trades instructors will be responsible for developing the common course of study. A complete set of the guidelines for the common course of study and the necessary instructional materials will be provided to all building trades instructors through an inservice workshop following the developmental phase of the project.

**AR 78 0493**

**Development of a Common Program of Study for Electronics in North Dakota.**

**Project Director:** Haakenson, Harvey
**Organization:** Bismark School System, N. Dak.
**Address:** Bismark, ND 58501
**Descriptors:** *Articulation (Program), *Core Curriculum, Curriculum Development, *Electronics, Postsecondary Education, Secondary Education, Teacher Developed Materials, Teacher Workshops
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $5,200
**Sponsoring Agency:** North Dakota State Board for Vocational Education, Bismark
**Contract and/or Control No.:** RR-67

The purpose of the project is to develop a common course of study for electronics programs in the state of North Dakota using as the basic core of instruction the electronics curriculum developed by the state of New Mexico. A common core of instruction will be developed which will utilize the electronics curriculum available from the state of New Mexico and supplemented by materials available through other state agencies such as Missouri. A committee of electronics instructors will determine what materials can be utilized in the state of North Dakota to fit the needs of electronics in the state.

**AR 78 0494**

**Health Occupations Curriculum Development Project.**

**Project Director:** Hunt, Jim
**Organization:** Lake Area Vocational Center, Devils Lake, N. Dak.
**Address:** Devils Lake, ND 58301
**Descriptors:** *Articulation (Program), *Core Curriculum, Curriculum Development, *Health Occupations, Postsecondary Education, Secondary Education, Teacher Developed Materials, Teacher Workshops
**Funding Period:** Start Date 2 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $3,000
**Sponsoring Agency:** North Dakota State Board for Vocational Education, Bismark
**Contract and/or Control No.:** RR-70

The purpose of the project is to continue the curriculum upgrading activity in the area of health occupations which was initiated last year, and to add to the instructional materials previously developed by providing additional supplementary instructional materials. A committee of health occupations instructors will continue the first phase of development of curriculum guidelines for health occupations by supplementing the existing materials with instructional aids and additional task analyses. An inservice workshop will be held to introduce the materials to all health occupations instructors on completion of the project. A common set of instructional materials will be made available to all health occupations programs in the state of North Dakota.

# OHIO

## Exemplary and Innovative (Sec. 132)

**AR 78 0495**

**Career Education Program K-10.**
**Organization:** Akron Public Schools, Ohio
**Address:** Akron, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $88,170
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-1-78

The Akron City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Evaluation will include quarterly staff reports of career activities and a third party review.

**AR 78 0496**

**Career Education Program K-10.**
**Organization:** Canton Public Schools, Ohio
**Address:** Canton, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $37,662
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-3-78

The Canton City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Locally developed instruments will be used for program evaluation; all inservice activities will be evaluated based upon responses of participating teachers.

**AR 78 0497**

**Career Education Program K-10.**
**Organization:** Carlisle Local Schools, Ohio
**Address:** Carlisle, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $17,548
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-4-78

The Carlisle Local Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Program evaluation will be conducted through unit-plan evaluations on specific career curriculum activities that are implemented, teacher and student questionnaires, and a third-party evaluation conducted by a supervisor from the county school office who is knowledgeable about career education and the Ohio Career Education Test.

**AR 78 0498**

**Career Education Program K-10.**
**Organization:** Cincinnati Public Schools, Ohio
**Address:** Cincinnati, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $91,315
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-5-78

The Cincinnati Public Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Evaluation will consist of teacher observation rating techniques, as well as use of standardized instruments.

**AR 78 0499**

**Career Education Program K-10.**
**Organization:** Cleveland City Schools, Ohio
**Address:** Cleveland, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $127,107
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-6-78

The Cleveland City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Specific data collection activities will be related to process and product objectives of each program; data sources will include interviews, project records, the Ohio Vocational Interest Survey and the Interest Checklist. The evaluation process will include a status description of program implementation.

**AR 78 0500**

**Career Education Program K-10.**
**Organization:** Cleveland Heights-University Heights City School District, Cleveland Heights, Ohio
**Address:** Cleveland, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $44,160
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-7-78

The Cleveland Heights-University Heights City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. A recent PRIDE review will be the basis for judging the program for 1977-78 and beyond. Recommendations of the review will be evaluated by the career development staff so that an action plan may be formulated for attaining the goals implied by the statements. Program materials and staff will be available to other school systems interested in developing career education programs.

**AR 78 0501**

**Career Education Program K-10.**
**Organization:** Dayton City Schools, Ohio
**Address:** Dayton, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $41,943
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-9-78

The Dayton City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Periodic use of pre- and post-assessment techniques during the articulation of the entire program will assist in determining the interest and involvement of students, teachers and the community. Interest inventories, checklists and oral and written teacher reports, as well as local evaluations of program objectives will be included in the program review. Third-party evaluations will be conducted by Policy Studies in Education.

**AR 78 0502**

**Career Education Program K-10.**
**Organization:** Defiance City Schools, Ohio
**Address:** Defiance, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $19,760
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-11-78

The Defiance City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. The PRIDE process will be used for program evaluation.

**AR 78 0503**

**Career Education Program K-10.**
**Organization:** Delaware City Schools, Ohio
**Address:** Delaware, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $18,971
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-10-78

The Delaware City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9

and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Program evaluation will include statistical logs of activities, events, and material usage along with an evaluative statement regarding effectiveness; written student statements, surveys, and questionnaires; and the PRIDE review technique.

**AR 78 0504**

**Career Education Program K-10.**
**Organization:** East Muskingum Local Schools, New Concord, Ohio
**Address:** New Concord, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $3,330
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-12-78

The East Muskingum Local Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. An evaluation instrument will be administered to students during the fall and spring. Other evaluation tools will include regular staff assessment of the program, and staff and student appraisal of visitations, guest speakers, and field trips.

**AR 78 0505**

**Career Education Program K-10.**
**Organization:** Geneva Area City Schools, Ohio
**Address:** Geneva, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $5,697
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-13-78

The Geneva Area City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. A formative evaluation, consisting primarily of a systematic program, will be conducted to provide information on the design and development efforts. A summative evaluation will be conducted to discover the effects of the program and its materials on students and teachers. This continuation pilot project, now in its sixth year, will provide information for instituting similar programs in other local school districts of the Ashtabula County Vocational Educational Planning District.

**AR 78 0506**

**Career Education Program K-10.**
**Organization:** Jefferson Area Local Schools, Ohio
**Address:** Jefferson, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $25,115
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-14-78

The Jefferson Area Local Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Two types of evaluation will be used: formative to systematically assess design and development efforts; summative to discover the effects of the program materials on teachers and students. This pilot project will provide information to assist local school districts of the Ashtabula County Vocational Education Planning District in developing similar programs.

**AR 78 0507**

**Career Education Program K-10.**
**Organization:** Lorain City Schools, Ohio
**Address:** Lorain, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $66,708
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-16-78

The Lorain City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. The Ohio Career Development Test will be used in grades 3, 6, 8, and 10 when it becomes available. Locally designed instruments will be used to document teacher participation and their knowledge and understanding of the seven developmental areas. PRIDE evaluation recommendations will be implemented as suggested by the State Department of Education. Statistical evaluation will be conducted to collect data on student growth, staff involvement, and local facilities.

**AR 78 0508**

**Career Education Program K-10.**

**Organization:** Mad River Green Local Schools, Springfield, Ohio
**Address:** Springfield, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $9,604
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-17-78

The Mad River-Green Local Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Committee-based evaluation will cover both the products and processes involved in the program.

**AR 78 0509**

**Career Education Program K-10.**
**Organization:** Mansfield City Schools, Ohio
**Address:** Mansfield, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $32,988
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-18-78

The Mansfield City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Career developed tests similar to the Ohio career education tests will be administered to students in grades 3,6,8, and 10 on a pre- and posttest basis. Although the complete PRIDE review for the Mansfield VEPD is scheduled for the 1978-79 school year, the PRIDE section entitled "Program Review for Career Education" will be used as a part of evaluation process during fiscal year 1978. Results of these evaluation tools, combined with other supportive evidence, will be included in a final evaluation report.

**AR 78 0510**

**Career Education Program K-10.**
**Organization:** Maysville Local Schools, South Zanesville, Ohio
**Address:** South Zanesville, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $6,570
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-19-78

The Maysville School Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. An evaluation instrument will be administered to students during the fall and spring. Regular staff assessment of the program and staff and student appraisal of visitations, guest speakers, and field trips will be used to measure program effectiveness.

**AR 78 0511**

**Career Education Program K-10.**
**Organization:** Medina City Schools, Ohio
**Address:** Medina, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $19,368
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-20-78

The Medina City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Ongoing assessment and evaluation of classroom activities and teacher involvement will be conducted through written reports at regular intervals by teachers, program personnel and other school personnel. Locally developed tests, the Ohio career education tests and the PRIDE instrument will be administered to further evaluate the program.

**AR 78 0512**

**Career Education Program K-10.**
**Organization:** Orrville City Schools, Ohio
**Address:** Orrville, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $4,113
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-22-78

The Orrville City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9

and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Program review and reports will include student pre- and posttests, third-party observations of teachers, logs of activities, reviews of lesson plans, and surveys of students.

**AR 78 0513**

**Career Education Program K-10.**
**Organization:** Paint Valley Local Schools, Bainbridge, Ohio
**Address:** Bainbridge, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $6,060
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-23-78

The Paint Valley Local Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. A statistical and narrative evaluation will be conducted by a third party. In addition, information gained from teacher feedback; sample lessons; student feedback from field experiences, explorations, and group guidance sessions; and test interpretations will be analyzed.

**AR 78 0514**

**Career Education Program K-10.**
**Organization:** Parma City School District, Ohio
**Address:** Parma, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $49,275
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-24-78

The Parma City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. The Ohio Program for Improvement, Development, and Expansion (PRIDE) in career education program review, used to meet evaluation requirements for fiscal year 1976-77, will be re-assessed in fiscal year 1977-78 to determine how closely the recommendations have been followed.

**AR 78 0515**

**Career Education Program K-10.**
**Organization:** Perry Local Schools, Ohio
**Address:** Perry, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $17,520
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-25-78

The Perry Local Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Pre- and posttests at appropriate grade levels, observations, community surveys, and follow-up studies of former students will be used for program evaluation.

**AR 78 0516**

**Career Education Program K-10.**
**Organization:** Princeton City Schools, Cincinnati, Ohio
**Address:** Cincinnati, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $22,125
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-26-78

The Princeton City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. The administration of career tests and evaluations will be used for program reports and reviews.

**AR 78 0517**

**Career Education Program K-10.**
**Organization:** Pymatuning Valley Local Schools, Andover, Ohio
**Address:** Andover, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $8,640
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus

**Contract and/or Control No.:** CD-27-78

The Pymatuning Valley Local Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. A systematic program evaluation, including a teacher attitude survey and participation reports, will be conducted to ensure that project objectives are being met.

**AR 78 0518**

**Career Education Program K-10.**
**Organization:** Scioto-Darby City Schools, Hilliard, Ohio
**Address:** Hilliard, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $21,504
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-28-78

The Scioto-Darby City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. A third-party evaluator will use records of field experiences, hands-on experiences, teacher inservice training, and curriculum products as part of the project evaluation, and achievement of learner outcomes will be evaluated and reported.

**AR 78 0519**

**Career Education Program K-10.**
**Organization:** Sidney City Schools, Ohio
**Address:** Sidney, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $20,865
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-29-78

The Sidney City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Techniques for evaluation will be developed on a continuing basis in cooperation with school and community personnel, using State Department of Education guidelines.

**AR 78 0520**

**Career Education Program K-10.**
**Organization:** South-Western City School District, Grove City, Ohio
**Address:** Grove City, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $44,106
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-30-78

The South-Western City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. The Ohio Career Test and the Ohio Program for Improvement, Development, and Expansion in Career Education (PRIDE) will be used for program evaluation. Pre- and posttests and other measures also will be used for program review.

**AR 78 0521**

**Career Education Program K-10.**
**Organization:** Springfield City Schools, Ohio
**Address:** Springfield, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $34,581
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-31-78

The Springfield City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Teacher involvement will be the criterion used in determining the effectiveness of the program. Data from student surveys and questionnaires will be summarized and evaluated to complete the program review.

**AR 78 0522**

**Career Education Program K-10.**
**Organization:** Stow City Schools, Ohio

**Address:** Stow, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $51,872
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-32-78

The Stow City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Evaluation techniques will include external evaluation, self evaluation, activities log, participant surveys, lesson plan reviews, pre- and posttests, student self-appraisal inventories, and advisory committee evaluations.

**AR 78 0523**

**Career Education Program K-10.**
**Organization:** Toledo Public Schools, Ohio
**Address:** Toledo, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $43,977
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-33-78

The Toledo City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Evaluation will be conducted in conjunction with the Ohio Program for Improvement, Development and Expansion in Career Education (PRIDE). In addition, program content, student growth, staff involvement, and school facilities will be evaluated.

**AR 78 0524**

**Career Education Program K-10.**
**Organization:** Warren City Schools, Ohio
**Address:** Warren, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $38,715
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-34-78

The Warren City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. A PRIDE evaluation was conducted in 1977; for 1978, a teacher and parent survey will be designed and the Ohio Career Test will be administered.

**AR 78 0525**

**Career Education Program K-10.**
**Organization:** Wheelersburg Local Schools, Ohio
**Address:** Wheelersburg, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $9,240
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-35-78

The Wheelersburg Local Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. While checklists and questionnaires for teachers, students and administrators will be used most frequently to evaluate the program, narrative evaluations will be used when necessary and a third-party evaluator will report findings.

**AR 78 0526**

**Career Education Program K-10.**
**Organization:** Willoughby-Eastlake School District, Willoughby, Ohio
**Address:** Willoughby, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *Inservice Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $38,532
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-36-78

The Willoughby-Eastlake City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Evaluation of field trips, speakers, simulations and experiential activities will be made, and a record of student and

teacher participation will be maintained. Questionnaires will be distributed to students, teachers, administrators, and business and industry representatives and then evaluated. Progress reports from project teachers and administrative staff will be maintained. Finally, a comprehensive third-party evaluation, including a post-graduate survey of students involved in the program, will be conducted.

**AR 78 0527**
**Career Education Program K-10.**
**Organization:** Wyoming City Schools, Cincinnati, Ohio
**Address:** Cincinnati, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *In-service Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $12,510
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-37-78

The Wyoming City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In grades 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. Continuous program evaluation will include input from personnel; observation by career education staff; periodic assessment by students, parents, teachers, and participating resource persons; suggestions of a lay advisory committee; and third party observation by Research for Better Schools, Inc.

**AR 78 0528**
**Career Education Program K-10.**
**Organization:** Youngstown City School District, Ohio
**Address:** Youngstown, OH
**Descriptors:** *Career Development, *Career Education, Career Exploration, Career Planning, Class Activities, Community Resources, Educational Resources, Elementary Secondary Education, Information Dissemination, *In-service Teacher Education, Instructional Materials, *Integrated Curriculum, *Learning Activities, *Occupational Clusters, Program Evaluation, Student Motivation, Work Attitudes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $47,249
**Sponsoring Agency:** Ohio State Dept. of Education, Columbus
**Contract and/or Control No.:** CD-38-78

The Youngstown City Schools K-10 career education program, which is integrated into the existing curriculum, consists of three components: motivation, orientation, and exploration. It is designed to promote a developmental sequence that will lead to meaningful career education and educational decision making in senior high school. Activities in grades K-6 are designed to develop awareness about the world of work and positive work attitudes. In gradea 7 and 8, activities focus on orientation toward career possibilities and introduction to the fifteen USOE occupational clusters. Culminating activities in grades 9 and 10 center on the in-depth exploration of selected occupational clusters, work experience, and value and interest clarification. The program will be implemented through onsite observations of workers, work simulations, community resource persons, and varied career oriented classroom activities. Staff will be involved in inservice training for integrating career education concepts into the curriculum. Courses of study, resource guides, field trip guides, and curriculum guides demonstrating the integration of career development concepts will be developed. The PRIDE review technique will be used for program evaluation in addition to questionnaires from or interviews with participants regarding field trips, speakers, and projects.

# OKLAHOMA

## Research (Sec. 131)

**AR 78 0529**

**Validation of Home Economics I and Agricultural Mechanics I Curriculum Manuals.**

**Project Director:** Frazier, William D.

**Organization:** Oklahoma State Dept. of Vocational and Technical Education, Stillwater. Dept. of Research and Evaluation

**Address:** Stillwater, OK 74074

**Descriptors:** *Academic Achievement, *Agricultural Engineering, Curriculum Development, *Curriculum Evaluation, *Curriculum Guides, Field Studies, *Home Economics, Models, *Program Validation, State Surveys

**Funding Period:** Start Date 1 Nov 77; End Date 15 Jun 78

**Fiscal Year Funding:** $4,000

**Sponsoring Agency:** Oklahoma State Dept. of Vocational and Technical Education, Stillwater

**Contract and/or Control No.:** 1001

The purpose of the project is to conduct a field test to validate the curriculum manuals, developed by Oklahoma State Department of Vocational and Technical Education, in terms of student achievement. No field tests have yet been conducted on an item analysis. Thus, the model developed will meet the need whereby future manuals can be validated. The design will be based on those populations of teachers in Oklahoma who are teaching either Home Economics I or Agricultural Mechanics I. A letter will be sent to each of the identified teachers requesting that they indicate which units they plan to teach during the second semester. Five of the identified units will be randomly selected on which to obtain student test results. A random sample of 10 teachers will then be drawn to identify the classes of students. Teachers will collect the student achievement data and submit the results for each student to the project staff. An item analysis will be used to identify strengths and weaknesses in the curriculum.

## Exemplary and Innovative (Sec. 132)

**AR 78 0530**

**Nontraditional Student Organization Incentive Program.**

**Project Director:** Green, Fern

**Organization:** Oklahoma State Dept. of Vocational and Technical Education, Stillwater

**Address:** 1515 West Sixth Avenue, Stillwater, OK 74074

**Descriptors:** Career Awareness, *Career Choice, *Exhibits, *Motivation Techniques, *Nontraditional Occupations, Skill Development, Student Motivation, *Student Organizations, Training

**Funding Period:** Start Date 9 Feb 78; End Date 25 Feb 78

**Fiscal Year Funding:** $3,000

**Sponsoring Agency:** Oklahoma State Dept. of Vocational and Technical Education, Stillwater

**Contract and/or Control No.:** 2001

This project will exhibit a theme which represents non-traditional skill training in vocational and technical education and present incentives to the schools of the first two place winners in each of three school categories. The project will evaluate non-traditional exhibits and present incentive awards for first and second place entries in each of the three school categories. All local chapters in the six Oklahoma vocational youth organizations will be invited to prepare an exhibit of their students participating in non-traditional career options. Exhibits will be displayed during the National and State Vocational Education Week in Shepherd Mall, Oklahoma City, and Woodland Hills Mall, Tulsa. Exhibits will be judged by representatives of business, industry, and government with respect to the theme–non-traditional career options of the students. Incentive awards of $300 and $200 will be made to first and second place winners in each school category.

# OREGON

## Research (Sec. 131)

**AR 78 0531**

**Community College Follow-Up Pilot Project.**
**Project Director:** Blucher, Robert
**Organization:** Lane Community Coll., Eugene, Oregon
**Descriptors:** Community Colleges, *Data Collection, *Followup Studies, *Graduate Surveys, Junior College Students, *Program Evaluation
**Funding Period:** Start Date 15 Sep 77; End Date 31 Aug 78
**Fiscal Year Funding:** $7,250 (Charged to FY 1977)
**Sponsoring Agency:** Oregon State Board of Education, Salem
**Contract and/or Control No.:** R-S-1-78

A follow-up survey will be revised to meet new federal regulations for data collection and to obtain data in a form more useful to program administrators. To test the validity of the revisions, one group will be mailed the current survey, a second group will be mailed the revised survey, and a third group will be interviewed via telephone using the current survey. A final report will document the procedures used in the field test and compare the responses from the three groups surveyed.

**AR 78 0532**

**Model for Disseminating Promising Practices to Oregon Schools.**
**Project Director:** Lofts, Ada
**Organization:** Linn-Benton Intermediate Education District, Albany, Oreg.
**Address:** 905 E. 4th Avenue, Albany, OR 97321
**Descriptors:** *Adoption (Ideas), *Demonstration Projects, *Information Dissemination, *Inservice Programs, *Models, Program Descriptions, *Program Development, Program Guides, Technical Assistance, Workshops
**Funding Period:** Start Date 31 Aug 77; End Date 30 Jun 78
**Fiscal Year Funding:** $10,366 (Charged to FY 1977)
**Sponsoring Agency:** Oregon State Board of Education, Salem
**Contract and/or Control No.:** ER-M-3-78

A model to disseminate information about high-quality, transportable exemplary programs to all school districts in Oregon will be developed. Five area workshops covering the state will provide inservice education to school staff. The workshops will be conducted by staff from schools that developed the transportable programs. Seven or more schools within Linn, Benton, and Lincoln counties are expected to implement programs this year. Project staff will provide consulting and technical assistance to the schools. A guide to implementing these programs will be developed and disseminated state-wide.

**AR 78 0533**

**Research and Development of a Model for Improving the Technical Competencies of Vocational Teachers (Subproject Number Six).**
**Project Director:** Heuchert, Arnie
**Organization:** Portland Development Center, Oreg.
**Address:** P.O. Box 16657, Portland, OR 97216
**Descriptors:** *Community Resources, *Educational Needs, *Inservice Teacher Education, *Models, Program Development, Skill Development, *Teaching Skills, *Technical Education, Vocational Education Teachers
**Funding Period:** Start Date 1 Oct 77; End Date 31 Aug 78
**Fiscal Year Funding:** $3,805 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576 and also received $8,000 under Part B for FY 1977.
**Sponsoring Agency:** Oregon State Board of Education, Salem

This project intends to develop a plan whereby state private and public schools can use community resources to update and broaden the technical skills of vocational teachers of secondary and postsecondary levels in the Portland, Eugene, and Salem areas. Procedures will be to (1) develop a system to identify needs of area teachers with regard to emerging business trends; (2) use vocational/industrial and business personnel in onsite workshops and seminars; (3) require participants to develop plans showing how they will integrate their training program with their occupational program; and (4) disseminate results to local vocational education administrators through mini-conferences and a written report.

**AR 78 0534**

**Research and Testing of a Method for Improving the Technical Competencies of Vocational Teachers.**
**Project Director:** Heuchert, Arnie H.; Dolan, Colleen
**Organization:** Portland State Univ., Oreg. Personnel Development Center
**Address:** Portland, OR 97220
**Descriptors:** *Community Resources, *Program Development, *Skill Development, *Teacher Improvement, *Teaching Skills, *Technical Education
**Funding Period:** Start Date 1 Oct 77; End Date 30 Aug 78
**Fiscal Year Funding:** $11,805 (Charged to FY 1977)
**Sponsoring Agency:** Oregon State Board of Education, Salem
**Contract and/or Control No.:** R-M-2-78

A method will be tested for using community resources to update and broaden the technical skills of secondary and postsecondary vocational education teachers. A literature review will be conducted, and three different methods of using community resources will be tested. A summary of the literature review and a written description of the three methods will be produced.

## Exemplary and Innovative (Sec. 132)

**AR 78 0535**

**Career Exploration Work Experiences.**
**Project Director:** Altig, Duane; Brunton, Max
**Organization:** Parkrose Public Schools, Oreg.
**Descriptors:** *Career Exploration, Educational Strategies, Experiential Learning, Guides, Inservice Programs, Manuals, Models, *Program Development, Program Evaluation, *Urban Schools, *Work Experience Programs
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $9,957
**Sponsoring Agency:** Oregon State Board of Education, Salem
**Contract and/or Control No.:** 26-003-044

A state model for providing exploratory work experiences for urban and semi-urban schools, an implementation guide, and a handbook for teachers will be developed. The present implementation program will be assessed to determine its strengths and weaknesses. Findings will be related to the problems most commonly encountered by urban and semi-urban schools. Inservice education will be provided through mini-conferences.

**AR 78 0536**

**Community College Follow-Up Pilot Project.**
**Project Director:** Blucher, Robert
**Organization:** Lane Community Coll., Eugene, Oreg.
**Address:** Eugene, OR 97405
**Descriptors:** *Data Collection, Field Studies, *Followup Studies, *Graduate Surveys, *Instrumentation, Pilot Projects, *Program Evaluation
**Funding Period:** Start Date 15 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $7,393
**Sponsoring Agency:** Oregon State Board of Education, Salem
**Contract and/or Control No.:** 20-650-101

A follow-up survey instrument will be revised and field tested to make the data collected more useful to program administrators, provide data for evaluating vocational education programs, and meet the federal requirements for data collection. The survey instrument will be field tested with a sample of Lane Community College graudates and early leavers. The sample will be separated into three matched groups. The first group will be mailed the current survey, the second group will be mailed the revised survey, and the third group will be interviewed by telephone using the current survey. A report will document the field test procedures and compare responses to the mail and telephone surveys.

**AR 78 0537**

**Develop a Quest Form in Music Careers.**
**Project Director:** Brisbin, Karen
**Organization:** Oregon State Dept. of Education, Salem. Career and Vocational Education Section

**Address:** 942 Lancaster Drive, NE, Salem, OR 97310
**Descriptors:** *Career Planning, Counselors, Guidance Services, Inservice Teacher Education, Interest Scales, *Music Education, Music Teachers, Occupational Guidance, *Questionnaires, *Secondary School Students
**Funding Period:** Start Date 1 Jul 77; End Date 15 Aug 77
**Fiscal Year Funding:** $1,500
**Sponsoring Agency:** Oregon State Board of Education, Salem
**Contract and/or Control No.:** 03-000-039

A Quest form, a series of questions designed to match junior and senior high school students' interests and skills with a music or music-related career, will be developed. This guidance tool, which can be used by teachers and counselors, will provide a means to more efficiently use and coordinate available music career materials. The information for the questions will be based on job descriptions, interests, and skills. The Quest forms will be critiqued through the mail by music educators and then field tested. Inservice education programs will be conducted to present methods for using the form.

**AR 78 0538**

**Development of a Model Program for Serving Educationally Disadvantaged Students.**
**Project Director:** Lopez, Faith
**Organization:** Chemeketa Community Coll., Salem, Oreg.; Linn-Benton Community Coll., Albany, Oreg.; Portland Community Coll., Oreg.
**Address:** 4000 Lancaster Drive NE., Salem, OR
**Descriptors:** *Administrator Guides, *Child Development Centers, Curriculum Evaluation, *Disadvantaged Youth, *Educationally Disadvantaged, *Educational Planning, Educational Resources, Models, Needs Assessment, Program Guides, *Resource Centers
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $35,000
**Note:** This project also received $15,000 under Sec. 131 and $62,683 in local funds for FY 1978.
**Sponsoring Agency:** Oregon State Board of Education, Salem

Research and planning necessary for developing a model center for developmental education for disadvantaged students will be conducted. A needs assessment, a review and evaluation of current materials and strategies, and an assessment of basic skill levels necessary for successful course work will be made to develop a center for student development, bringing together all available resources in a model program to serve the disadvantaged learners. A theoretical rationale for the program will be developed as a guide for administrators and staff of other institutions.

**AR 78 0539**

**Development of Alternate Methods of Teaching Small-Enrollment, Appreaticeship-Related Training Classes.**
**Project Director:** Horstrup, Carl
**Organization:** Lane Community Coll., Eugene, Oreg.
**Address:** Downtown Center, 1059 Willamette Street, Eugene, OR 97401
**Descriptors:** *Apprenticeships, Community Colleges, *Core Curriculum, *Delivery Systems, Educational Programs, Educational Resources, Enrollment, Interinstitutional Cooperation, Learning Modules, *Library Planning, *Program Development, *Student Recruitment, Teaching Methods, Work Experience Programs
**Funding Period:** Start Date 1 May 78; End Date 30 Sep 78
**Fiscal Year Funding:** $20,000 (Charged to FY 1977)
**Sponsoring Agency:** Oregon State Board of Education, Salem
**Contract and/or Control No.:** E-5-6-78

To increase the low enrollment in apprenticeship-related training programs, a core curriculum for the construction, industrial, metal, public utilities, automotive, graphic arts, and service occupations will be developed; three model delivery systems will be pilot tested; and a resource library will be developed. The core curriculum will include training objectives and outcomes, course outlines, and individualized instructional modules, and will incorporate appropriate modifications for each occupation. The three model systems for delivering apprenticeship training will involve use of a correspondence program, a telephone conference system, and a cooperative work experience program. Bibliographies of training materials will be provided to improve existing related-training delivery systems. The resource library will serve as a state-wide model for disseminating apprenticeship related training materials.

**AR 78 0540**

**EBCE Model (CE)2 Adapted to the Severely Handicapped.**
**Project Director:** Gallo, Vincent A.
**Organization:** Jackson County Intermediate Education District, Medford, Oreg.
**Address:** 101 North Grape Street, Medford, OR 97501
**Descriptors:** Accountability, Alternative Schools, *Career Education, *Computer Managed Instruction, Curriculum Evaluation, Educational Counseling, *Experiential Learning, Feasibility Studies, Handicapped Students, Individualized Programs, *Mainstreaming, Models, Senior High Schools, *Severely Handicapped
**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 1 Feb 78; End Date 15 Jun 78
**Fiscal Year Funding:** $9,800
**Sponsoring Agency:** Oregon State Board of Education, Salem

The purpose of the project is to determine if the (CE)2 curriculum path can be adapted to the orthopedically handicapped student. Seven volunteer junior and senior students from Jackson County will be mainstreamed into the existing (CE)2 program of 51 students. Products to be delivered will include a documented case study report of the seven students admitted to the (CE)2 program and a computerization feasibility study.

**AR 78 0541**

**Model Community College Career and Life Planning Guidance Project.**
**Project Director:** Eakin, Gleason
**Organization:** Mount Hood Community Coll., Gresham, Oreg.
**Address:** 26000 S.E. Start Street, Gresham, OR 97030
**Descriptors:** Audiovisual Aids, *Career Planning, *Community Colleges, *Guidance Programs, Guidance Services, Inservice Teacher Education, Models, *Occupational Guidance, Program Development, Teaching Guides
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $8,000
**Sponsoring Agency:** Oregon State Board of Education, Salem
**Contract and/or Control No.:** 26-651-080

A model career and life planning guidance program will be developed by Mount Hood Community College and disseminated to other community colleges. Existing guidance resources will be unified; a training guide, handbook, and slide/tape presentation will be developed. The guidance effort will be coordinated with metropolitan employers, and an advisory committee will be established.

**AR 78 0542**

**Model for Vocational (Occupational) Program Review and Termination in Postsecondary and Secondary Schools in Oregon.**
**Project Director:** Sorenson, Gary W.
**Organization:** Oregon State Univ., Corvallis. Inst. for Manpower Studies
**Address:** Corvallis, OR
**Descriptors:** *Decision Making, Demonstration Programs, Manuals, *Models, Postsecondary Education, *Program Evaluation, Secondary Education, Workshops
**Funding Period:** Start Date 15 Mar 78; End Date 30 Sep 78
**Fiscal Year Funding:** $12,428 (Charged to FY 1977)
**Sponsoring Agency:** Oregon State Board of Education, Salem

This project will develop a model for evaluation-decision-making, develop a manual of operational procedures for using the model on a continuing basis, and obtain input from steering and advisory committees. Procedures will be to (1) develop a steering committee; (2) develop an advisory committee; (3) conduct problem review meetings with each group; and (4) present a Workshop-Final Review session to demonstrate and refine the Model and Manual. Products to be delivered will be "Model for Evaluation-Decision-Making;" and "Manual of Operational Procedures."

**AR 78 0543**

**Model Program for Serving the Educationally Disadvantaged Student.**
**Project Director:** Wasson, Barbara
**Descriptors:** *Adult Education, Adult Education Programs, *Community Colleges, *Educationally Disadvantaged, Models, Needs Assessment, *Teaching Methods, *Teaching Techniques
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $35,000
**Sponsoring Agency:** Oregon State Board of Education, Salem
**Contract and/or Control No.:** 24-650-125

A transportable model program will be developed for providing tools, techniques, and an organizational structure to effectively prepare educationally disadvantaged adults to enter regular community college vocational programs. Nine packages of materials responsive to needs determined through a needs assessment will be included in the model.

**AR 78 0544**

**Oregon Comprehensive Exploration/Reality Testing (CERT).**
**Project Director:** Seeman, Marvin E.
**Organization:** Linn-Benton Community Coll., Albany, Oreg.
**Address:** 6500 SW Pacific Boulevard, Albany, OR 97321
**Descriptors:** *Career Education, *Community Colleges, Educational Strategies, Guides, Individualized Curriculum, *Learning Modules, Manuals, *Material Development, Models

**Funding Period:** Start Date 1 Mar 78; End Date 30 Sep 78
**Fiscal Year Funding:** $10,000
**Sponsoring Agency:** Oregon State Board of Education, Salem
**Contract and/or Control No.:** E-S-5-78

Materials and procedures will be designed to facilitate the implementation of a community college career awareness and exploration model. The materials will consist of an operations manual, adopter's guide, and individualized learning modules for students.

**AR 78 0545**

**Proposal to Develop a Model Program for Serving Educationally Disadvantaged Students.**
**Project Director:** McCue, Raymond A.; Buel, Nancy A.
**Organization:** Chemeketa Community Coll., Salem, Oreg. Instructional Services Div.
**Address:** 4389 Satter Drive, N.E., Salem, Oreg.
**Descriptors:** Adults, Career Awareness, Community Colleges, Community Involvement, *Compensatory Education, Consortia, *Disadvantaged Groups, *Educationally Disadvantaged, Inservice Teacher Education, Instructional Aids, Models, *Needs Assessment, *Nontraditional Students, Postsecondary Education, *Program Development, Self Concept
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $35,000
**Note:** This project also received $15,000 under Sec. 131 for FY 1978.
**Sponsoring Agency:** Oregon State Board of Education, Salem

The purpose of the project is to develop a model program for educationally disadvantaged adults, with a consistent theoretical rationale which could serve as a guide for administrators and staff of other institutions with similar problems. Procedures will include: (1) conducting a needs assessment; (2) collecting ideas from meetings of a consortium consisting of representatives of three schools prior to the planning year; (3) using an ad hoc advisory committee of representatives of 13 colleges and two staff members from the State Department of Education; (4) generating a testing schedule and selecting tests; (5) presenting a planning report to the Dean of Instruction; (6) developing a plan for inservice of ongoing center staff and vocational instructors; (7) establishing community involvement; (8) identifying available curriculum materials and instructional aides; and (9) offering an internship experience for present and prospective instructors and aides interested in teaching the disadvantaged.

**AR 78 0546**

**Survey of Perceptions of Oregon Vocational Education Needs Which Can Be Treated through Vocational Research or Exemplary Programs.**
**Project Director:** Bond, Jack H.
**Organization:** Portland State Univ., Oreg. School of Education
**Address:** Portland, OR 97207
**Descriptors:** Data Analysis, *Needs Assessment, Research Design, *State Surveys, *Student Opinion, *Teacher Attitudes
**Funding Period:** Start Date 15 Mar 78; End Date 30 Sep 78
**Fiscal Year Funding:** $16,000 (Charged to FY 1977)
**Sponsoring Agency:** Oregon State Board of Education, Salem

The project will (1) design an instrument to assess vocational needs; (2) design and implement a process of contacting a variety of target groups with instrument; and (3) analyze and summarize responses in report. Procedures will be to (1) identify population groups and draw samples; (2) prepare instrument and pilot test for content and reading level; (3) conduct survey; (4) followup non-respondents; and (5) summarize data. A report will indicate vocational heads and provide direction for future actions in Vocational Education. Continued survey by PSU will provide updated responses for future use.

**AR 78 0547**

**Unified Approach to Career Guidance and Counseling and Program Development in Secondary Schools–Phase II.**
**Project Director:** Lothspeich, Louise
**Organization:** Portland School District 1, Oreg.
**Address:** 3830 SE 14th, Portland, OR 97202
**Descriptors:** Career Education, *Change Strategies, Counselors, *Information Dissemination, *Occupational Guidance, *Program Development, Publicize, Secondary Schools, *Staff Improvement, *Vocational Counseling
**Funding Period:** Start Date 1 Aug 77; End Date 30 Jun 78
**Fiscal Year Funding:** $8,000 (Charged to FY 1977)
**Note:** This project also received $2,000 in local funds for FY 1978.
**Sponsoring Agency:** Oregon State Board of Education, Salem
**Contract and/or Control No.:** E-P-S-78

Phase II of this project will implement strategies identified as successful in phase I to enable counselors to improve the involvement of their counseling department staffs in a cooperative effort to upgrade career guidance and counseling programs. A method for providing public information will be identified and the public will be encouraged to participate in advisory committees to help define appropriate services and priorities. A brochure, describing selected promising practicies, will be developed for dissemination to other school districts.

**AR 78 0548**

**Workshops for Vocational Program and Curriculum Planning in Secondary Schools.**
**Project Director:** Rumble, Richard R.
**Organization:** Portland School District 1J, Oreg.
**Address:** Portland, OR 97232
**Descriptors:** Career Education, *Coordinators, *Curriculum Planning, Inservice Programs, *Program Planning, Secondary Education, *Workshops
**Funding Period:** Start Date 3 Apr 78; End Date 31 Aug 78
**Fiscal Year Funding:** $5,000
**Sponsoring Agency:** Oregon State Board of Education, Salem

The project will enhance the planning capabilities of secondary vocational program and curriculum planners and career education regional coordinators. Selected secondary school districts will be provided a number of planning strategies through a variety of presentations such as lecture, discussion, and direct application to actual planning situations usually experienced in local districts and at the state agency level.

## Curriculum Development (Sec. 133)

**AR 78 0549**

**Drafting Curriculum Modules.**
**Project Director:** Hargis, James W.
**Organization:** Oregon Dept. of Education, Salem. Career Program Development and Evaluation Unit
**Address:** Salem, OR 97310
**Descriptors:** Community Colleges, Construction (Process), *Curriculum Development, *Drafting, *Individualized Instruction, *Learning Modules, *Performance Based Education, Secondary Education, Teacher Developed Materials
**Funding Period:** Start Date 19 Jun 78; End Date 31 Aug 78
**Fiscal Year Funding:** $4,927
**Sponsoring Agency:** Oregon State Board of Education, Salem

A drafting instructional team from two community colleges will develop fifty-one learning modules in reading construction, electricity, heating, metals, electronics and piping blueprints. The modules will be field tested at high school and community college classes, and will help complete the performance-based, individualized instruction system now in use in Oregon.

# PENNSYLVANIA

## Research (Sec. 131)

**AR 78 0550**

**Assessment of First-Year Food Service Students' Attitudes toward Individualized Instruction in Five Selected Pennsylvania Community Colleges.**
**Project Director:** Leeking, Linda L.
**Organization:** Pennsylvania State Univ., University Park
**Address:** Rackley Building, University Park, PA 16802
**Descriptors:** Affective Tests, *Attitude Tests, Community Colleges, *Conventional Instruction, *Educational Background, Food Service Occupations, Group Instruction, *Individualized Instruction, Questionnaires, *Student Attitudes
**Funding Period:** Start Date 12 Apr 78; End Date 30 Jun 78
**Fiscal Year Funding:** $700
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 83-8011

This project will compare the answers of five Pennsylvania community colleges first-year food service students towards pairs of questions dealing with individualized instruction versus traditional instruction--as defined in the directions of the questionnaire. The questions deal with the affective domain to see if there are any significant differences. Each answer will be compared to the information provided by the answers to the demographic questions to see if the student's background has an affect on his/her answers. The variables will be the student's most recent school attended and whether he/she has a certificate from an occupational food service program. Students' attitudes towards individualized instruction versus group instruction will be researched. A population has already been identified. Students will take a pretest on one unit of food service education. They will choose which activities from a proposed list will best help them to learn more about each concept covered on the pretest. After completion of this procedure, they will take a posttest for their own assessment of the degree of learning and motivation which took place. The last part of the procedure is their participation in answering the Attitudinal Assessment Instrument.

**AR 78 0551**

**Development of a Series of Recommendations and Procedures Required in Administration of a Centralized Program of Occupational Competency Assessment.**
**Project Director:** Hoyman, Ronald D.
**Organization:** Pennsylvania State Univ., University Park
**Address:** 207 Old Main Street, University Park, PA 16802
**Descriptors:** Administrative Organization, Centralization, *Occupational Tests, Program Administration, *Program Development, Program Effectiveness, *State Programs, Teacher Evaluation, *Teacher Qualifications, *Teacher Selection, Teaching Quality
**Funding Period:** Start Date 3 Apr 78; End Date 26 May 78
**Fiscal Year Funding:** $453
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 83-8010

The overall objective is intended to increase the effectiveness and use of occupational competency assessment through the development of recommendations and procedures used in operating a centralized state program of occupational competency assessment. The project will be carried out through interviews, extensive research, and adaptation of representative examples and forms for development of a centralized state program for occupational competency assessment.

**AR 78 0552**

**Effectiveness of a Gaming Strategy to Enhance Vocational Maturity and Commitment.**
**Project Director:** Weis, Susan F.
**Organization:** Pennsylvania State Univ., University Park. Div. of Occupational and Vocational Studies
**Address:** 212 Rackley Building, University Park, PA 16802
**Descriptors:** *Audiovisual Aids, Career Choice, Comparative Analysis, *Educational Games, *Food Service Occupations, Grade 8, Grade 10, Grade 12, Occupational Choice, Program Development, *Program Effectiveness, Secondary Education, *Teaching Techniques, *Vocational Maturity
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $13,978
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 83-8001

The major purpose of the project is to investigate the effectiveness of a gaming strategy on the vocational maturity and commitment of learners at three educational levels: 8th grade (prevocational), 10th grade (vocational) and 12th grade (vocational) as a complimentary educational effort to a newly initiated curriculum in food service education. Procedures will include: (1) developing and reproducing a slide-tape orientation for the use of a Restaurant City game; (2) securing cooperation of six schools that would be willing to assist as experimental or control sites for this project; (3) presenting the game to students in cooperating schools and assess the effects of such exposure through a pretest/posttest design using Crites' Career Maturity Inventory and the Vocational Commitment Index; and (4) disseminating the game and results of the project to the vocational education community.

**AR 78 0553**

**Evaluation of Funded Projects for Development of Vocational Instructional Materials (Continuation).**
**Project Director:** Welch, Fredrick G.
**Organization:** Pennsylvania State Univ., University Park
**Address:** 105 Rackley Building, University Park, PA 16802
**Descriptors:** *Curriculum Evaluation, *Educational Finance, Information Dissemination, *Instructional Materials, *Material Development, *Program Evaluation
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $25,247 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 19-7805

This project intends to (1) identify the strengths and weaknesses of vocational curriculum development projects in use in Pennsylvania; (2) develop a comprehensive listing of the nature and location and available curriculum materials to disseminate to VEIN for future use; (3) determine strengths and weaknesses in funding efforts and results of curriculum projects; (4) determine where future curriculum development monies may be best placed for maximum results; and (5) receive directions from and give input to the State Curriculum Committee and V-TECS Coordinator. Procedures will be to (1) continue onsite visits to determine the degree and direction of implementation for each funded project; (2) interview staff at project sites to identify strengths and weaknesses in strategy implementation; (3) analyze finished products with relation to amount of funding received; (4) disseminate findings to vocational education personnel throughout Pennsylvania via a quarterly newsletter; and (5) associate with vocational curriculum and V-TECS.

**AR 78 0554**

**Farm Management Analysis Education Institute (Continuation).**
**Project Director:** Dzubak, Cathy Lee
**Organization:** Hopewell Area School District, Aliquippa, Pa.
**Address:** 1215 Longvue Avenue, Aliquippa, PA 15001
**Descriptors:** Farm Accounts, *Farm Management, *Inservice Teacher Education, Institutes (Training Programs), *Program Development, Recordkeeping, *Vocational Agriculture, Young Adults, *Young Farmer Education
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $850
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 83-8005

The main goal of this year's project is to refine all procedures and, using a standard format, to develop a complete operations manual for the course. The second objective this year is to make the manual available for dissemination to the other school districts of our intermediate unit and also to any school district or intermediate unit interested in such a program. To develop such a manual, the following procedures will be used: (1) meeting with consultants; (2) collation and refinement of existing materials; (3) actual writing of manual; (4) evaluation by advisory committee; and (5) revision of draft copy and completion and duplication of manual.

**AR 78 0555**

**Focus on Careers (Continuation).**
**Project Director:** Lamping, Robert G.
**Organization:** School District of Pittsburgh, PA. OVT Education
**Address:** 341 S. Bellefield Avenue, Pittsburgh, PA 15213
**Descriptors:** *Career Awareness, *Career Choice, *Career Education, Curriculum Development, Curriculum Evaluation, *Curriculum Guides, Information Dissemination, *Manuals, *Material Development
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $6,575
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8007

The major objectives are to complete curriculum revision work for the TMR's, EMR's, and disadvantaged via the change model on three programs (child care, wood/construction, and manufacturing) already begun and extend the change model to two additional programs-visual communication and power and transportation. The procedure for developing the program will follow four phases. Phase I deals with the philosophy and objectives. During Phase II, the teachers develop learning activities and materials designed to teach the competencies of the program. Phase III explains different instructional strategies. Phase IV consists of intermittent meetings to discuss ideas, problems, and progress and to update the program. Each program will proceed through the four phases of curriculum development until a comprehensive curriculum package with related instructional materials is developed, field tested, and finally revised.

**AR 78 0556**

**Mainstreaming Vocational Education (Continuation).**
**Project Director:** Clark, William H., Jr.
**Organization:** Venango County AVTS, Oil City, Pa.
**Address:** One Vocational-Technical Drive, Oil City, PA 16301
**Descriptors:** *Cost Effectiveness, Decision Making, Educational Research, Handicapped Students, *Mainstreaming, *Manuals, *Program Design, *Program Development, Program Evaluation, *Program Guides, *Systems Approach
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $39,725
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 83-8004

The objective of this project is to develop a procedure manual detailing a systems approach to mainstreaming special needs students into regular vocational classrooms. The manual will be designed so that it can be used by vocational schools throughout the State of Pennsylvania. The development of the procedure book will result from historical and descriptive survey research techniques which will document the process of designing, installing, implementing, and evaluating a mainstreaming program.

**AR 78 0557**

**Occupational Choices and Employment Opportunities for High School Students.**
**Project Director:** Cohen, Stanley B.
**Organization:** Philadelphia School District, Pa.
**Address:** Philadelphia, PA 19103
**Descriptors:** *Employment Opportunities, Employment Trends, Grade 10, Grade 11, *High School Students, Information Dissemination, Job Market, Occupational Aspiration, *Occupational Choice, Senior High Schools
**Funding Period:** Start Date 1 Jul 78; End Date 30 Jun 79
**Fiscal Year Funding:** $49,822
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 83-9001

A questionnaire will be developed to survey tenth and eleventh grade students in the Philadelphia school district to ascertain their occupational aspirations and knowledge of the world of work. Survey data will be analyzed and the results compared with those of a survey of eighth and ninth grade students conducted during the previous year. The findings for Philadelphia will be compared with the national longitudinal surveys of young men and women. Results of both Philadelphia surveys will be compared with forecasts of job openings, and the forecasts of job openings will be compared with the numbers of vocational education graduates. Reports of the findings will be disseminated on a city-wide basis, and participating school principals will receive an analysis of their school with comparison tables for the general samples. Teachers will be encouraged to incorporate these findings into discussions of work orientation, educational plans, and labor market prospects.

**AR 78 0558**

**Physical Accessibility of Public Supported Vocational Schools for Handicapped Students.**
**Project Director:** Smith, Curvin C.
**Organization:** Associated Educational Consultants, Inc., Pittsburgh, Pa.
**Address:** 9800 McKnight Road, Pittsburgh, PA 15237
**Descriptors:** *Architectural Barriers, Architectural Elements, Area Vocational Schools, Building Design, Classroom Design, Community Colleges, Comprehensive High Schools, *Handicapped Students, Needs Assessment, Physically Handicapped, *School Architecture, *School Design
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $24,673
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 83-8002

The objectives of this project are to (1) apprise area vocational-technical schools, community colleges, and a sampling of comprehensive high schools of accessibility requirements for handicapped students; (2) determine the amount of structural modifications which will be needed to accommodate handicapped students; and (3) develop methods or procedures to collect the data and information and present a report in a clear, readable format. Procedures will include: (1) review pertinent literature with the assistance of VEIN, ERIC, and Center for Vocational Education; (2) interview persons enrolled in or who have an interest in vocational programs offered in AVTS's, comprehensive high schools, or community colleges; (3) identify aspects of physical accessibility which might apply to specific shop/lab area; (4) examine VEMIS reports and the Legal Curriculum File maintained for each AVTS to determine what shops, labs, or programs are conducted in each attendance area; and (5) develop an instrument for identifying noncompliance features to accessibility requirements.

**AR 78 0559**

**Predicting Satisfaction in Postsecondary Study from High School Students and Programmatic Characteristics.**
**Project Director:** Yung, Kirby
**Organization:** Pennsylvania State Univ., University Park. Occupational and Vocational Studies
**Address:** 119 Rackley Building, University Park, PA 16802
**Descriptors:** Guidance, Longitudinal Studies, *Participant Satisfaction, *Postsecondary Education, *Prediction, *Program Content, Program Design, Relevance (Education), Student Attitudes, *Student Characteristics, Student Development, *Student School Relationship
**Funding Period:** Start Date 1 Oct 77; End Date 31 May 78
**Fiscal Year Funding:** $800
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 83-8008

The purpose of this study is to answer the following questions: (1) How satisfied are postsecondary students with their respective high school curricula-vocational, academic, or other programs? (2) Is postsecondary student satisfaction related to the type of postsecondary institution attended? (3) Does the interaction effect of high school curriculum and type of postsecondary institution attended affect student satisfaction? (4) What characteristics of high school students and high school program are predictive of postsecondary student satisfaction? (5) What are the best theoretical models to use in predicting postsecondary student satisfaction for vocational high school students, academic high school students, and students in other high school programs? This study is part of an ongoing Vocational Development Study which plans to cover a 10-year span and include the continuous study of three separate samples of 9th grade students for a 10-year period ending seven years after each sample leaves high school. The general design for this study is longitudinal and developmental, encompassing the movement of students over time along various paths. Student characteristics and program characteristics which have been measured and stored on computer tape when sampled students were in high school as well as student's postsecondary educational satisfaction will be measured by a newly developed questionnaire. After data is collected, various statistical techniques will be applied to answer the research question.

**AR 78 0560**

**A Study of the Relationship of Teacher Enthusiasm to Salient, Selected Variables Influencing Achievement in the Vocational Laboratory.**
**Project Director:** Allen, Edward
**Organization:** Temple Univ., Philadelphia, Pa. Div. of Vocational Education
**Address:** Broad & Columbia Avenue, Philadelphia, PA 19132
**Descriptors:** *Academic Achievement, Motivation, Student Interests, *Success Factors, *Teacher Attitudes, *Teacher Evaluation, Teacher Influence, Teacher Role, Teaching Methods, *Vocational Education Teachers
**Funding Period:** Start Date 1 Jan 79; End Date 30 Jun 79
**Fiscal Year Funding:** $1,980
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 83-9003

This study will determine what relationship enthusiastic teaching has upon five variables known to influence student achievement. It is hypothesized that those vocational teachers who created a higher interest level in the subject and the school, greater motivation, better attendance records, and an overall higher

rating according to the students will be the same teachers identified as being enthusiastic in the classroom. The subjects of the study, fifty inservice vocational teachers, will submit two videotapes of their lessons to a panel of judges for an evaluation of their teaching enthusiasm. Based on the ratings given on these taped lessons, spaced approximately four to six weeks apart, the teachers will be ranked on an enthusiasm continuum. Subsequent to submitting the videotapes, the students of the subjects will be given a test to determine their interest in school, education motivation, interest in the subject, and their attendance records. Each of these variables will be rank ordered for each subject and compared independently to the ranking on the enthusiasm continuum. A final report will be delivered.

**AR 78 0561**

**Study to Determine the Use of Shorthand.**
**Project Director:** Meinstereifel, Elizabeth B.
**Organization:** Shippensburg State Coll., Pa.
**Address:** Shippensburg, PA 17257
**Descriptors:** *Business Education, Data Collection, *Employment Qualifications, *Office Occupations, *Promotion (Occupational), Secretaries, Stenographers, *Stenography, *Use Studies
**Funding Period:** Start Date 16 Jan 78; End Date 31 May 78
**Fiscal Year Funding:** $600
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg

A literature review will be conducted and a survey designed, pilot tested, and sent to 1,600 firms in Pennsylvania to determine if shorthand is an employment requirement in business offices, how many employees use shorthand, the predicted use of shorthand in the future, the dictation rate required for employment, the role the ability to take dictation plays in determining promotions whether or not the skill is used, and the educational requirements for stenographers and secretaries. A final report will be produced.

**AR 78 0562**

**Study to Determine the Value of Membership in Future Business Leaders of America (FBLA) for Development.**
**Project Director:** D'Abrosca, Louis A.
**Organization:** Pittsburg Univ., Pa.
**Address:** 4M24 Forbes Quadrangle, Pittsburgh, PA 15260
**Descriptors:** Business Education, Graduate Surveys, High School Graduates, Leadership, *Leadership Qualities, *Student Evaluation, *Student Organizations, *Student Participation, *Youth Leaders
**Identifiers:** *Future Business Leaders of America
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 78
**Fiscal Year Funding:** $777
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 83-8012

The purpose of this study is to compare the nature of the post-high school leadership activities and accomplishments of selected FBLA competitive event winners of the Pennsylvania State Leadership Conference from 1970-1976, selected Pennsylvania FBLA members who did not participate in competitive events of the State Leadership Conference from 1970-1976, and selected Pennsylvania business education students who were not members of FBLA from 1970-1976. A random sample of 150 business education graduates from 1976-77 who were winners in FBLA events and members and non-members of FBLA were compared on the 12 goals of FBLA and their leadership characteristics as determined by their employer. The Chi-Square test and the one-way analysis of variance will be used to determine if significant differences exist.

**AR 78 0563**

**Teacher Expectancy as Related to Student Performance in Vocational Education.**
**Project Director:** Curtis, Samuel M.
**Organization:** Pennsylvania State Univ., University Park. Dept. of Agricultural Education
**Address:** 102 Armsby Building, University Park, PA 16802
**Descriptors:** *Academic Achievement, Behavior Change, Cognitive Ability, *Expectation, Post Testing, Pretesting, Psychomotor Skills, Secondary Education, Student Attitudes, Student Evaluation, *Student Motivation, *Student Teacher Relationship, Teacher Attitudes, *Teacher Influence
**Funding Period:** Start Date 1 Oct 77; End Date 31 Mar 78
**Fiscal Year Funding:** $790
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 83-8003

The objectives of the project are to (1) determine the effects of teacher expectation on student academic performance; (2) determine whether or not the expectation works in the same way in classes which require cognitive and psychomotor skills; (3) determine how the students feel about teacher expectation; and (4) determine the difference between two types of teacher expectation–positive expectation and constructive expectation. Four teachers from different schools will be selected. Two teachers will teach Milk Production and two teachers will teach Small Gasoline Engines. In Milk Production and Small Engines, emphasis will be given on cognitive and psychomotor skills, respectively. In all classes, seven to eight written assignments will be given during the experiment at designated times. In order to see how students respond to the expectation, the students will not be informed that they are part of the experiment. In each school, a pretest and teacher's evaluation form will be given to the class before the experiment. After one month, the posttest will be given, change in student performance will be measured, and effects of the teacher expectation will be evaluated.

**AR 78 0564**

**Vocational Education Data System (VEDS) Feasibility Study.**
**Project Director:** Ruoss, L. Lloyd
**Organization:** Lancaster-Lebanon Intermediate Unit Number 13. East Petersonburg, Pa.
**Address:** 1110 Enterprise Road, East Petersonburg, PA 17520
**Descriptors:** *Feasibility Studies, *Information Systems, *National Programs, *Program Development
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $34,316 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 19-7807

The purpose of the project is to conduct a study to assist the National Center for Educational Statistics in determining the feasibility of a proposed national information system. The Pennsylvania study will test the followup and employer evaluation of vocational graduates' components as required by the Act and developed by the Center. An exhaustive procedural format will be followed in compliance with the requirements as specified in RFP # 77-100 as modified by mutual consent of the Center and the Pennsylvania Department of Education.

**AR 78 0565**

**Vocational Education Information Network (VEIN) (Continuation).**
**Project Director:** Keyes, Erma D.
**Organization:** Millersville State Coll., Pa. VEIN
**Address:** Millersville, PA 17551
**Descriptors:** *Curriculum Development, *Educational Resources, *Information Dissemination, *Information Networks, *Information Services, *Staff Improvement, Vocational Education Teachers
**Identifiers:** Vocational Education Information Network
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $191,581 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 19-7804

The objectives of this project include: (1) operating the resource dissemination system within the approved budget to effect the delivery of products and services to vocational educators in Pennsylvania; (2) disseminating results of research, programmatic developments, and curriculum products to vocational educators in Pennsylvania to facilitate their use; (3) implementing the systematic diffusion and development of integral components of the V-TECS curriculum program in Pennsylvania; and (4) implementing staff development programs for vocational educators in Pennsylvania. VEIN's services are available to individuals, agencies, and institutions involved with the delivery of instruction to vocational education students and practitioners in Pennsylvania. Some services are designed for specific audiences while others are intended for the broad based population of vocational educators. All dissemination, curriculum, and staff development activities will be designed in cooperation with personnel from the RCU, BVE, and, where appropriate, with the local program staff members. Materials disseminated are retrieved from the ERIC, AIM/ARM, PA and VF (Vocational Facilities) collections for duplication as microfiche or printed copy.

**AR 78 0566**

**Vocational Task Analysis and Skill Training for the Trainable Mentally Retarded (Continuation).**
**Project Director:** Clark, Daniel A.
**Organization:** Altoona AVTS, Pa.
**Address:** 1500 Fourth Avenue, Altoona, PA 16603
**Descriptors:** Ability Identification, *Basic Skills, Career Development, *Employment Potential, Employment Qualifications, *Job Placement, *Job Skills, Student Behavior, Student Characteristics, Student Recruitment, *Task Analysis, *Trainable Mentally Handicapped, Vocational Adjustment
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $75,695
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg

**Contract and/or Control No.:** 83-8006

The objectives of the project are to (1) determine whether or not TMR students can learn entry-level skills needed to become employable; (2) determine what types of vocational training can best be learned by TMR students that will eventually lead to employment; (3) identify target behaviors and characteristics in TMR students that might cause them to succeed or fail in the world of work; and (4) place students in competitive industry where, as a direct result of their vocational training, they are most likely to succeed. Procedures include: (1) establish, identify, and test selection criteria; (2) vocational task analysis and skill assessment; (3) vocational development (basic motor as well as behavioral); (4) work adjustment and job placement; and (5) evaluation.

**AR 78 0567**

**Vocational-Technical Education Consortium of States (V-TECS) Membership.**
**Project Director:** Hirst, Ben A.
**Organization:** Southern Association of Colleges and Schools, Atlanta, Ga.
**Address:** Peachtree Street, N.E., Atlanta, GA 30308
**Descriptors:** *Behavioral Objectives, Catalogs, Check Lists, *Criterion Referenced Tests, Inservice Teacher Education, Performance Criteria, Preservice Education, Secondary Education, *Task Performance
**Identifiers:** *Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $15,000 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 19-7806

The objectives of this project are to (1) enroll for one year as a member of V-TECS; (2) develop agreed upon catalogs for V-TECS; (3) hire a technical coordinator for V-TECS activities; and (4) provide one representative to serve as a member of the Board of Directors of V-TECS. The technical coordinator, under the direction of the RCU director, will manage the diffusion activities of V-TECS. Specific activities will be the development of a preservice and inservice teacher education program concerning the proper utilization of V-TECS materials and to develop a statewide dissemination plan for the finished products. The RCU will plan and coordinate the development of agreed upon catalogs for V-TECS and monitor the development of the catalogs and approve the major steps for each specified task. The RCU will also be responsible for activities assigned by the V-TECS Board of Directors.

## Exemplary and Innovative (Sec. 132)

**AR 78 0568**

**Agricultural Products (Continuation).**
**Project Director:** Rohm, Curtis L.
**Organization:** Solanco School District, Quarryville, Pa.
**Address:** R.D. 2, Box 40, Quarryville, PA 17566
**Descriptors:** *Agricultural Education, Curriculum Development, *Curriculum Guides, *Food Processing Occupations, Interinstitutional Cooperation, Off Farm Agricultural Occupations, *Program Development, Secondary Education, *Units of Study
**Funding Period:** Start Date 10 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $16,345 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 20-7834

The objectives of the project are to (1) develop and implement agricultural food processing courses in such areas as: meat processing, poultry processing, dairy processing, produce and cereal food processing; (2) field test the developed courses of study and lesson plans during the school year 1977-78, using pre- and post-cognitive testing in order to determine their effectiveness; and (3) develop a course outline that can be distributed to other schools in the Commonwealth of Pennsylvania. The procedure to be followed will be to cooperate with the Agricultural Education Department of the Penn State University and receive all applicable agricultural processing materials. The Agricultural Education Department of Penn State will be involved in pre- and posttesting the students as a means of determining the effectiveness of the units. At the conclusion of the third year of operation, we should have a prototype of a course of study developed for Agriculture Products I and II.

**AR 78 0569**

**Agriculture Resources.**
**Project Director:** Clark, Daniel A.
**Organization:** Altoona AVTS, Pa.
**Address:** 1500 Fourth Avenue, Altoona, PA 16603
**Descriptors:** *Agricultural Education, Agricultural Occupations, Agronomy, Career Education, Career Opportunities, *Cooperative Programs, Curriculum Development, Experiential Learning, *Field Experience Programs, Land Use, *Natural Resources, Performance Based Education, Satellite Laboratories, Secondary Education, *Summer Programs, *Water Resources
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $46,700
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 84-8002

Objectives of the project are to (1) select curriculum materials for the course (competency based); (2) establish a cooperative "satellite" program at a DER facility; and (3) provide students with preparation for occupations in agricultural resources. Altoona AVTS and Prince Gallitzin State Park will enter into a contractual agreement. Altoona will provide administration, supervision, instruction, and certain equipment supplies. Prince Gallitzin will provide groups and classroom facilities along with periodic use of certain staff and services. Students will be identified and selected according to career interests and transported daily to the study facility at Lake Glendale. The 6,600 acres of state land and water will serve as an open classroom laboratory for study, projects, and research. The project will continually define, evaluate, and design curriculum materials, methods, and study projects for other vocational educators to share. Cooperative education activities during the summer with all phases of land and water management will be held. Extensive placement services will assist students in realistic career opportunities.

**AR 78 0570**

**Continuation and Expansion of VEDA–Vocational Exploration: A Development Approach for Junior High School.**
**Project Director:** Wycallis, George
**Organization:** Dallas School District, Pa.
**Address:** Conyngham Avenue, Dallas, PA 18612
**Descriptors:** *Career Exploration, *Career Planning, Decision Making Skills, Grade 7, Grade 8, Grade 9, *Individualized Programs, *Junior High Schools, Parent Participation, *Program Development, Public Relations, *School Community Relationship
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $16,099
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 84-8001

The objectives of this project are to (1) develop and implement a three-phase model for a junior high school career exploration and career planning program; (2) involve teachers in integrating career information and activities in their regularly taught classes; (3) inform and involve parents in the career exploration program activities; (4) inform and involve community businesses, industries, governmental, business and service organizations, and resource individuals in the program; and (5) plan and carry out an ongoing public relations program that will help to insure the success of the program through the understanding and support of parents, teachers, and community. Trained staff members will work as a team with other staff members and parents to continue the development of the program model by planning activities, gathering materials, and evaluating the results of the research and techniques. Seventh graders will explore attitudes about self and others, eighth graders will explore careers, and ninth graders will learn decision-making skills. Assessment instruments will be used at all grade levels. Selected parents will participate in structured group activities. Ongoing evaluation activities will assess progress and provide data for necessary revisions.

**AR 78 0571**

**Curriculum Materials Review and Student Resource Center.**
**Project Director:** Howell, David L.
**Organization:** Pennsylvania State Univ., University Park
**Address:** 102 Armsby Building, University Park, PA 16802
**Descriptors:** *Agricultural Education, *Curriculum Guides, Educational Resources, Inservice Teacher Education, *Instructional Materials, *Media Selection, *Resource Centers, Undergraduate Students, *Vocational Agriculture
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $22,848 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 20-7835

This project proposes to (1) review curriculum materials available throughout the United States to assess their usefulness to vo-ag programs in Pennsylvania; (2) stock a curriculum resource center with basic selected vo-ag curriculum materials to be used by teacher education undergraduates in Ag. Ed. and for inservice education; (3) recommend available curriculum materials to vo-ag teachers for their use; and (4) through the review and selection process, needs in curriculum resources will be identified. Materials judged useful will be recommended to Pennsylvania teachers. This project will expand the services of Ag. Ed. instructional materials laboratory by offering out-of-state materials from one location. Materials will be previewed by an advisory

committee composed of vo-ag teachers who will determine the appropriateness of such material for use in Pennsylvania. By making a greater variety of curriculum materials available for teachers, programs can be improved to the benefit of the students.

**AR 78 0572**

**Metrics Inservice Teacher Education Workshop.**
**Project Director:** Zimmerman, C. Robert
**Organization:** Berks AVTS, Leesport, Pa.
**Address:** Agricultural Building, Box 602, R.D. 1, Leesport, PA 19533
**Descriptors:** *Inservice Teacher Education, *Instructional Materials, *Learning Modules, *Material Development, *Metric System, *Teaching Techniques, Vocational Education Teachers
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $2,280 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 20-7836

This project intends to (1) provide a two-day workshop for vocational teachers to orient them to metrics, acquaint them with the Ohio State metric materials, and provide training on using metrics in the classroom; (2) develop metric instructional packages for each vocational program; and (3) provide classroom instruction to assist students in obtaining an acceptable level of performance in metric measurement. To facilitate the implementation and to assist with the inservice workshop, a staff person(s) has been identified to provide leadership at the local level. This person(s) will (1) be made available for training; (2) plan the local workshop; (3) provide assistance to teachers during implementation; and (4) collect data for reporting the impact of the project.

**AR 78 0573**

**Metrics Inservice Teacher Education Workshop.**
**Project Director:** Wronoski, Walter J.
**Organization:** Bucks County AVTS, Fairless Hills, Pa.
**Address:** Wistar Road, Fairless Hills, PA 19030
**Descriptors:** *Inservice Teacher Education, *Instructional Materials, *Learning Modules, *Material Development, *Metric System, *Teaching Techniques, Vocational Education Teachers
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $1,006 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 20-7829

The objectives of the project are to (1) provide a two-day metric measurement inservice workshop for vocational teachers to orient them to metrics, acquaint them with Ohio State metric materials, and provide training on using metrics in the classroom; (2) develop metric instructional packages for each vocational program; and (3) provide 10 hours of classroom instruction to assist students in obtaining an acceptable level of performance in metric measurement. To facilitate the implementation and to assist with the inserviice workshop, a staff person(s) has been identified to provide leadershiip at the local level. This person(s) will (1) be made available for training; (2) plan the local workshop; (3) provide assistance to teachers during implementation; and (4) collect data for reporting impact of the project.

**AR 78 0574**

**Metrics Inservice Teacher Education Workshop.**
**Project Director:** Muzzi, Robert D.
**Organization:** Lackawanna County AVTS, Scranton, Pa.
**Address:** 3201 Rockville Avenue, Scranton, PA 18508
**Descriptors:** *Inservice Teacher Education, *Instructional Materials, *Learning Modules, *Material Development, *Metric System, *Teaching Techniques, Vocational Education Teachers
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $2,750 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 20-7831

This project will provide a one-day inservice workshop for vocational teachers to orient them to metrics, acquaint them with the Ohio State metric materials, and provide training on using metrics in the classroom. Teachers will facilitate student instruction through the use of developed instructional packages peculiar to their program area. Students will be able to obtain an acceptable level of performance in the use of metric-measuring devices and conversion methods. To facilitate the implementation and to assist with the inservice workshop, a staff person(s) has been identified to provide leadership at the local level. This person(s) will: (1) be made available for training; (2) plan the local workshop; (3) provide assistance to teachers during implementation; and (4) collect data for reporting impact of the project.

**AR 78 0575**

**Metrics Inservice Teacher Education Workshop.**
**Project Director:** Taylor, Ray L.
**Organization:** Schuylkill County AVTS, Pottsville, Pa.
**Address:** 420 North Centre Street, Pottsville, PA 17901
**Descriptors:** *Inservice Teacher Education, *Instructional Materials, *Learning Modules, *Material Development, *Metric System, *Teaching Techniques, Vocational Education Teachers
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $2,200 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 20-7832

The objectives of this project are to (1) provide a two-day metric measurement inservice workshop for vocational teachers to orient them to metrics, acquaint them with the Ohio State metric materials, and provide training on using metrics in the classroom; (2) develop metric instructional packages for each vocational program; and (3) provide 10 hours of classroom instruction to assist students in obtaining an acceptable level of performance in metric measurement. To facilitate the implementation and to assist with the inservice workshop, a staff person(s) has been identified to provide leadership at the local level. This person(s) will (1) be made available for training; (2) plan the local workshop; (3) provide assistance to teachers during implementation; and (4) collect data for reporting impact of the project.

**AR 78 0576**

**Metrics Inservice Teacher Education Workshop.**
**Project Director:** Nicklow, Everett E.
**Organization:** Somerset County AVTS, Pa.
**Address:** R.D. 5, Vocational-Technical Road, Somerset, PA 15501
**Descriptors:** *Inservice Teacher Education, *Instructional Materials, *Learning Modules, *Material Development, *Metric System, *Teaching Techniques, Vocational Education Teachers
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $1,800 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 20-7833

The objectives of this project are to (1) provide a two-day metric measurement inservice workshop for vocational teachers to orient them to metrics, acquaint them with the Ohio State metric materials, and provide training on using metrics in the classroom; (2) develop metric instructional packages for each vocational program; and (3) provide classroom instruction to assist students in obtaining an acceptable level of performance in metric measurement. To facilitate the implementation and to assist with the inservice workshop, a staff person(s) has been identified to provide leadership at the local level. This person(s) will (1) be made available for training; (2) plan the local workshop; (3) provide assistance to teachers during implementation; and (4) collect data for reporting impact of the project.

**AR 78 0577**

**Metrics Inservice Teacher Education Workshops.**
**Project Director:** Kauffman, John M.
**Organization:** Lawrence County Area Vocational-Technical School, New Castle, Pa.
**Address:** 750 Wood Street, New Castle, PA 16101
**Descriptors:** *Inservice Teacher Education, *Instructional Materials, *Learning Modules, *Material Development, *Metric System, *Teaching Techniques, Vocational Education Teachers
**Funding Period:** Start Date 3 Apr 78; End Date 30 Jun 78
**Fiscal Year Funding:** $548
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 84-8003

The project will (1) provide a two-day inservice workshop for vocational teachers to orient them to metrics, acquaint them with the Ohio State metric materials, and provide training on using metrics in the classroom; (2) develop metric instructional packages for each vocational program; and (3) provide classroom instruction to assist students in obtaining an acceptable level of performance in metric measurement. To facilitate the implementation and to assist with the inservice workshop, a staff person has been identified to provide leadership at the local level. This person will (1) be made available for training; (2) plan the local workshop; (3) provide assistance to teachers during implementation; and (4) collect data for reporting impact of the project.

**AR 78 0578**

**Project for Refining a Curriculum Guide in Modern Warehousing.**
**Project Director:** Sassaman, William F.

**Organization:** Temple Univ., Philadelphia, Pa. Dept. of Vocational Education
**Address:** 295 Ritter Addition, Philadelphia, PA 19122
**Descriptors:** Curriculum Development, *Curriculum Guides, *Job Skills, Learning Activities, Secondary Education, *Warehouses
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $1,500 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 20-7830

The goal of this project is to continue the development of a curriculum guide in Modern Warehousing that will be useful in providing vocationally-oriented instruction through learning activities designed for entry-level occupations in warehousing. Based on feedback from users in established Pennsylvania Secondary School programs, portions of the guide will be refined and rewritten to enhance its usefulness as a teaching tool and to conform to IDECC purposes. Refinement activities will begin in November 1977. The feedback and fact-finding process will be ongoing throughout the current school year and serve as the basis for rewriting portions of the curriculum guide by June 1978.

**AR 78 0579**

**Vocational-Technical Course in Petroleum Production (Continuation).**
**Project Director:** Crumrine, Myron A.
**Organization:** Bradford Area School District, Pa.
**Address:** 50 Congress Street, Bradford, PA 16701
**Descriptors:** *Cooperative Education, *Experiential Learning, *Field Experience Programs, *Job Skills, *Petroleum Industry, *School Industry Relationship, Secondary Education, Student Employment, Student Placement, Work Experience Programs
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $33,601 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Pennslyvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 20-7828

The purpose of the project is to (1) train high school students for employment in the petroleum industry or related areas thus making an opportunity for employment which will encourage students to remain in the community; (2) identify new strategies for communication and cooperation between the public schools, the University of Pittsburgh's petroleum technology course, and local industry; (3) provide live work experiences on the training site which will encompass all areas of the petroleum production occupation; and (4) provide a student with entry-level skills encompassing the many and varied activities which a skilled oil field worker encounters. This course is designed to train workers for the various skills which must be possessed by the modern oil field worker. The course is being conducted on a working oil lease rather than a traditional shop setting. One of the first areas of training will be the development of an attitude of responsibility toward the job. During routine activities, the problem which occur in the oil production will develop; therefore, the ability to recognize that something is wrong, diagnose the problem, and correct it will be included in the students' training.

## Curriculum Development (Sec. 133)

**AR 78 0580**

**Adaptive Vocational Program for Trainable Mentally Retarded Youngsters.**
**Project Director:** Pilker, Henry
**Address:** 1511 Peach Street, Erie, PA 16501
**Descriptors:** *Educational Coordination, High School Students, *Individualized Programs, School Shops, Secondary Education, Student Needs, *Student Placement, *Trainable Mentally Handicapped
**Funding Period:** Start Date 1 Jan 79; End Date 30 Jun 79
**Fiscal Year Funding:** $10,000
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-9006

A screening committee, composed of vocational and special education personnel, will select ten trainable mentally retarded (TMR) students who have demonstrated some type of vocational potential and assign them to a modified vocational homeroom in the technical high school. The homeroom teacher, certified in special education, the student's parents, and the vocational/special education support team will formulate IEPs based on parental, professional, and student attitudes toward the areas of vocational education that could best benefit the student. TMR students will be placed in various vocational shops for a specific period of time to determine their vocational potential and to teach them everyday self-help skills. This process will allow staff to compile data on each youngster's experiences which will lead to a recommendation on the student's placement in vocational settings and also allow TMR students, other students, and regular class teachers to become acquainted with each other.

**AR 78 0581**

**Biomedical Electronics Technology.**
**Project Director:** Brown, Eugene M.
**Organization:** Harrisburg Area Community Coll., Pa.
**Address:** Harrisburg, PA 17110
**Descriptors:** *Biomedical Equipment, Community Colleges, Curriculum Development, Curriculum Guides, *Electronics, *Information Dissemination, *Instructional Materials, Pamphlets, Postsecondary Education, Programing (Broadcast), *Publicize
**Identifiers:** *Biomedical Electronics Technology
**Funding Period:** Start Date 1 Mar 79; End Date 30 Jun 79
**Fiscal Year Funding:** $4,150
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-9016

Curriculum, course outlines, and instructional materials necessary to implement a second option of biomedical electronic technology into a presently existing electronic servicing and merchandising program will be developed in this project. Public awareness of the program also will be developed. Procedures will include (1) developing brochures for distribution to organizations, schools, hospitals, the public, and internal and external counselors, (2) initiating visits to secondary schools, hospitals and other organizations for the dual purpose of public awareness and task analysis, (3) procuring and studying literature developed for other institutions, (4) developing a curriculum specific in nature and based upon data, and (5) confirming and finalizing curriculum and course outlines in conference with the American Association for Medical Instrumentation.

**AR 78 0582**

**Course of Study Project (Continuation).**
**Project Director:** Welch, Frederick G.
**Organization:** Pennsylvania State Univ., University Park. Div. of Occupational and Vocational Studies
**Address:** 119 Rackley Building, University Park, PA 16802
**Descriptors:** Curriculum Development, Employment Qualifications, *Experiential Learning, Individualized Instruction, *Industrial Education, Instructional Materials, Job Analysis, Job Skills, *Material Development, *Occupational Information, *Performance Based Education, Skill Development, *Teaching Guides
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $44,635
**Sponsoring Agency:** Pennsylvania State Dept., Harrisburg
**Contract and/or Control No.:** 85-8001

The purpose of the project is to (1) provide a guide to helping the beginning and established teacher deliver complete and reliable education in his or her occupational specialty area; (2) continue Phase II of the nine occupational areas that have been developed in the past year; (3) expand the trade and job analysis into a complete course of study which will identify occupations and include information and operation sheets, etc.; and (4) provide a base for which needed occupational competencies can be identified and established in the future. The V-TECS process will be used wherever possible and available. A committee of highly skilled tradesmen/teachers have been selected, representing each section of the state, brought together with graphic illustrators, technical writers, and curriculum specialists at The Pennsylvania State University, to compile a complete Course of Study in the occupational area. The course of study will include all operations (competencies) and a series of jobs which will allow the student, in an organized manner, to practice the needed competencies so that they can become skilled in the total occupational specialty. The material will be developed in such a way that it will easily be adaptable to special needs students with low readability and will be developed to be utilized as individualized instruction by the various teachers.

**AR 78 0583**

**Curriculum Library Resource Development.**
**Project Director:** Loss, Suzanne P.
**Organization:** Villa Maria College, Erie, Pa.
**Address:** 2551 West Lake Road, Erie, PA 16505
**Descriptors:** Consumer Education, Curriculum Development, Educational Resources, Higher Education, *Home Economics, Homemaking Education, *Instructional Materials, Libraries, Occupational Home Economics, *Resource Centers, Sex Discrimination, *Sex Fairness, Sex Stereotypes, *Teacher Education
**Funding Period:** Start Date 1 May 78; End Date 30 Jun 78
**Fiscal Year Funding:** $3,500
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8016

This project will (1) develop the Home Economics Teacher Education holdings in Villa Maria College Curriculum Library; (2) add curriculum materials representing all the areas of Consumer and Home[illegible]king Education and the Occupational Home Economics fields; and (3) select materials which support the Title IX mandate. The Home Economics teacher-educator will examine recent books and other materials available on the market and will check with

other Home Economics teacher-educators to see which are most highly valued. Materials will be chosen which attempt to eliminate sex bias and stereotyping. They will also be chosen for each area of consumer and homemaking as well as occupational home economics. These materials will be housed in the Villa Maria College curriculum library and will be available for widespread use by inservice teachers and students in the Home Economics teacher education program.

AR 78 0584

**Developing Competency-Based Activities and Evaluation Instruments for the Advertising Service Area of Distribution.**
**Project Director:** Danovitz, Saul
**Organization:** A. W. Beattie Area Vocational-Technical School, Allison Park, Pa.
**Address:** 9600 Babcock Boulevard, Allison Park, PA 15101
**Descriptors:** *Course Evaluation, Curriculum Development, *Distributive Education, Instructional Materials, Job Skills, *Learning Activities, Material Development, *Measurement Instruments, *Merchandising, *Performance Based Education, Program Validation, Teacher Workshops
**Identifiers:** Distributive Education Clubs of America
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $5,960
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8009

The project will (1) review and evaluate the competencies necessary for careers in the area of advertising services; (2) develop activities and evaluative instruments for distributive education student use; (3) evaluate the activities and evaluative instruments; and (4) review, if necessary, and prepare for distribution to distributive education teacher-coordinators. The Distributive Education Department of the University of Pittsburgh will conduct three one-day workshops. The following procedure will be used: (1) utilize previously identified essential competencies in the advertising services areas; (2) structure a format based upon National DECA criteria; (3) develop writing techniques; (4) write activities and evaluative instruments; (5) validate activities with business representatives from the advertising service areas; (6) rewrite if necessary; and (7) review and finalize. Evaluative instruments will be delivered.

AR 78 0585

**Developing Curriculum Resource Materials (Modules) for Teaching Health Occupations.**
**Project Director:** Miller, Dolores
**Organization:** Temple Univ., Philadelphia, Pa. Coll. of Education
**Address:** Philadelphia, PA 19122
**Descriptors:** Communication Skills, Curriculum Development, *Educational Resources, Ethics, Health Occupations, *Health Occupations Education, *Instructional Materials, *Learning Modules, Material Development, *Performance Based Education
**Funding Period:** Start Date 1 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $11,329
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8001

The goal of the project is to write eight technical content modules in health occupations in the following categories: communications, ethics, structure and function, and health careers. The state staff and state field representative will identify selected modules needing development. A selected staff member, using guidelines and a standard format mutually agreed upon by the participating universities and BVD/PDE, will develop the modules to the point of readiness for field testing.

AR 78 0586

**Development and Implementation of Industrial Arts Safety Guidelines.**
**Project Director:** Wilson, Wade
**Organization:** Cheyney State Coll., Pa.
**Address:** Cheyney, PA 19319
**Descriptors:** Advisory Committees, Cooperative Planning, Curriculum Development, Elementary Secondary Education, *Industrial Arts, Inservice Teacher Education, Literature Reviews, Postsecondary Education, Program Validation, *Safety, *State Curriculum Guides, State Standards, *Teaching Guides
**Funding Period:** Start Date 1 May 78; End Date 30 Jun 78
**Fiscal Year Funding:** $2,376
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8017

The purpose of the project is to develop and deliver an industrial arts safety guide for the Commonwealth of Pennsylvania. Cheyney State College, in cooperation with the Pennsylvania Department of Education and the Industrial Arts Association of Pennsylvania, will assemble an industrial arts safety committee and establish the framework for industrial arts safety guidelines for the Commonwealth. This committee will represent higher education, elementary and secondary schools, Pennsylvania Department of Education, Industrial Arts Association of Pennsylvania, and private industry. The industrial arts safety advisory committee will establish a task force whose responsibility will be to develop a comprehensive industrial arts safety guide for the Commonwealth of Pennsylvania. After an extensive review of the literature, the task force, through the assistance of consultants, will develop a safety guide for preliminary review by the industrial arts safety advisory committee. The guide will be validated by a special committee made up of national, state, and local safety education experts. A final draft will be developed and prepared for inservice training and dissemination.

AR 78 0587

**Developmental and Organizational Materials for the Health Occupations Students of American (HOSA) Vocational Student Organization.**
**Project Director:** Iwler, Irvin H.
**Organization:** Pittsburgh Univ., Pa.
**Address:** 4M38 Forbes Quadrangle, Pittsburgh, PA 15260
**Descriptors:** *Guidelines, *Health Occupations, *Organizational Development, Publications, Student Leadership, *Student Organizations, Students
**Identifiers:** *Health Occupations Students of America
**Funding Period:** Start Date 15 Mar 79; End Date 30 Jun 79
**Fiscal Year Funding:** $4,937
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-9013

New bylaws, constitution and operating guidelines for the Health Occupations Students of American (HOSA) will be developed. This recognized national student organization is designed to develop physical, mental, and social well-being of the individual; leadership, character, and citizenship; and ethical practices and respect for the dignity of work. The primary project activities are (1) to identify, review, and evaluate existing materials, (2) develop needed additional materials, and (3) acquaint prospective student organization leaders with the bylaws and constitution. In addition to the final report, copies of the bylaws, constitution, and operating guidelines will be produced.

AR 78 0588

**Establishment of a Fire and Weather Station to Upgrade the Forest Protection Course.**
**Project Director:** Spoerke, Glenn R.
**Organization:** Williamsport Area Community Coll., Pa.
**Address:** 1005 West Third Street, Williamsport, PA 17701
**Descriptors:** Conservation Education, Elementary Secondary Education, Environmental Education, *Equipment Maintenance, *Equipment Utilization, Experiential Learning, *Field Experience Programs, *Fire Protection, Fire Science Education, *Forestry, Meteorology, Natural Resources, Student Participation
**Identifiers:** *Weather Forecasting, Weather Reports
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 78
**Fiscal Year Funding:** $3,427
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8011

The project will (1) add the following skills to the Forest Protection course: collection of fire weather data, maintenance of fire weather equipment, and determining the fire weather danger rating from weather data; (2) add the following skills to the secondary forestry program: collection of fire weather data and determining the fire weather danger rating from weather data; and (3) add "Fire Weather Collection" to the Elementray School Environmental Program carried on by the college. Weather forecasting equipment will be set up by the staff. Fencing will be installed around the station to prevent vandalism. Manuals for students will be purchased and a series of lectures and demonstrations will be given to train students in the use of the equipment. After this training, teams of students will start to take the weather data, determine the danger rating, and adjust the sign to display their results. Students will be evaluated on the accuracy of their readings, the knowledge of equipment use, and their reliability to do the tasks on their assigned days.

AR 78 0589

**Improved Teaching Via Curriculum Changes.**
**Project Director:** Layman, Ralph M.
**Organization:** Lancaster County AVTS-Willow Street, Pa.
**Address:** 1730 Hans Herr Drive, Willow Street, PA 17584
**Descriptors:** Building Trades, *Change Strategies, Child Care Occupations, Curriculum Development, Disadvantaged Youth, Educable Mentally Handicapped, *Educational Change, Instructional Improvement, *Instructional Materials, Learning Activities, *Mainstreaming, Manufacturing, Program Development, *Teacher Developed Materials, Trainable Mentally Handicapped

**Identifiers:** Transportation Education, Visual Communication Education
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $71,173
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 83-8007

The goal of this project is to provide a farm management analysis education program for teachers of vocational agriculture who instruct young-adult farmers enrolled in their classes. A proven comprehensive farm management analysis education program has been developed in Minnesota. The director of the Minnesota program and members of his staff will be brought to Pennsylvania to train 40 of our best adult Vo-Ag teachers to implement the Minnesota program. In succeeding years, these 40 teachers will be utilized at no cost to continue training under Pennsylvania Vo-Ag teachers in implementing the Minnesota system.

**AR 78 0590**

**Individualized Approach for Becoming a Successful Business Manager.**
**Project Director:** Bergerstock, Donald B.
**Organization:** Williamsport Area Community Coll., Pa.
**Address:** 1005 West Third Street, Williamsport, PA 17701
**Descriptors:** *Administrative Personnel, *Business Skills, Construction (Process), Curriculum Development, *Educational Resources, Females, *Individualized Programs, Instructional Materials, *Learning Modules, *Managerial Occupations, Manufacturing, Merchandising, Minority Groups, Services, Success Factors
**Funding Period:** Start Date 1 Feb 79; End Date 30 Jun 79
**Fiscal Year Funding:** $17,000
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-9010

Based on identified competencies necessary for owning and operating a small business, an individualized, basic managerial package will be developed for the areas of manufacturing, merchandising, service, and construction. Ancillary modules relating to a specific business will be developed. Specific modules will address problems affecting women and minorities in business. A resource base will be developed to provide initial input for the study, and later will be used as a reference library.

**AR 78 0591**

**Mainstreaming Special Needs in Vocational Education.**
**Project Director:** Clark, William H., Jr.
**Organization:** Venango County Area Vocational-Technical School, Oil City, Pa.
**Address:** One Vo-Tech Drive, Oil City, PA 16301
**Descriptors:** Area Vocational Schools, *Exceptional Persons, Feasibility Studies, *Handicapped Students, Job Skills, *Mainstreaming, *Student Adjustment, Student Evaluation
**Funding Period:** Start Date 1 May 78; End Date 30 Jun 78
**Fiscal Year Funding:** $1,900
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8010

The project will determine the current functioning levels of special needs students enrolled in mainstreamed vocational content areas at the Venango County AVTS. Procedures will be to identify, assess, and evaluate work adjustment skills of special needs students mainstreamed into ongoing curriculum of the Venango County AVTS.

**AR 78 0592**

**Metric Education for State Correctional Institutions and Youth Development Centers.**
**Project Director:** Cope, Judith L.
**Organization:** Indiana Univ. of Pennsylvania
**Address:** Uhler Hall, Indiana, PA 15705
**Descriptors:** *Corrective Institutions, *Educational Programs, *Metric System, *Teacher Workshops, *Trainers, Vocational Education Teachers, *Youth Agencies
**Funding Period:** Start Date 7 Dec 78; End Date 30 Jun 79
**Fiscal Year Funding:** $4,985
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-9003

The Adult Education Center at Indiana University of Pennsylvania will sponsor a metric education workshop designed for vocational teachers, curriculum coordinators, or other appropriate personnel with the ability or capability to train trainers in metric education at SCIs and YDCs. Workshop participants will be trained in using metric measurement in vocational education programs, conducting local metric workshops, and supporting local instructors in the implementation of metric measures in their instruction. Metric instructional packages published by the National Center for Research in Vocational Education, the Ohio State University, will be used as resources.

**AR 78 0593**

**Modified Vocational Education Program for Students with Special Needs.**
**Project Director:** Brown, Robert G.
**Organization:** Mercer County AVTS, Pa.
**Address:** P.O. Box 152, Mercer, PA 16137
**Descriptors:** Area Vocational Schools, *Educational Programs, *Handicapped Students, High School Students, *Individualized Programs, *Job Skills, Program Development, School Shops, Secondary Education, Seniors, *Skill Development
**Funding Period:** Start Date 1 Jan 79; End Date 30 Jun 79
**Fiscal Year Funding:** $8,800
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-9004

Handicapped senior high school students preparing to enter the work force will participate in a one-year high-intensity vocational training program at the Mercer County AVTS. They will be involved in a variety of shops according to the skill competencies outlined in their IEPs.

**AR 78 0594**

**Pedagogical Competencies and Instructional Alternatives for Vocational Teachers Serving the Disadvantaged: Executive Summary.**
**Project Director:** Farmer, Edgar I.
**Organization:** Temple Univ., Philadelphia, Pa. Div. of Vocational Education
**Address:** Ritter Annex 447, Philadelphia, PA 19122
**Descriptors:** *Disadvantaged Youth, *Educational Alternatives, *Educational Research, Exceptional Persons, *Handicapped Students, *Teaching Skills, *Vocational Education Teachers
**Funding Period:** Start Date 15 Feb 79; End Date 30 Jun 79
**Fiscal Year Funding:** $700
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-9009

To assist vocational teachers in recognizing the needs, interest, and abilities of the disadvantaged and other special needs students, an executive summary of an extensive research study of teaching competencies will be produced. The summary will include instructional alternatives that may be implemented into the vocational education curriculum.

**AR 78 0595**

**Pre-Vocational Career and Skill Development.**
**Project Director:** Taylor, Ray L.
**Organization:** Schuylkill County AVTS, Pottsville, Pa.
**Address:** 420 North Centre Street, Pottsville, PA 17901
**Descriptors:** *Career Choice, *Career Development, Curriculum Development, *Instructional Materials, Nontraditional Occupations, Occupational Choice, *Prevocational Education, Secondary Education, Sex Fairness, *Skill Development
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $30,065
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8008

The objectives of this project are to (1) assist individuals in making meaningful choices; (2) prepare individuals for enrollment in advanced or highly skilled vocational-technical education programs; (3) develop a systematic way of field testing materials developed to solve the above listed problem; (4) develop curriculum material to assist students to make meaningful choices in all six vocational fields of education; and (5) assist boys and girls to make meaningful choices in other than traditional male and female careers. Materials developed last year will be field tested and rewritten this year. New curriculum materials will be developed for the balance of all vocational offerings available to students of grades 10, 11, and 12 throughout Schuylkill County. With the development of this new material, students should be able to make meaningful choices in all vocational course offerings available to them. The procedures will include meetings with vocational teachers and home school from 9th grade to determine basic skills to include as well as information needed for career awareness. Following this meeting, home school personnel will start to develop the needed curriculum.

**AR 78 0596**

**Preparation of Bulletin 280: Business Law (Continuation).**
**Project Director:** Nichols, Natalie P.
**Organization:** Pennridge School District, Perkasie, Pa.
**Address:** North Fifth Street, Perkasie, PA 18944
**Descriptors:** Bulletins, *Course Content, Curriculum Development, *Educational Alternatives, *Educational Strategies, *Instructional Materials, *Legal Education, Teaching Techniques, Units of Study
**Identifiers:** *Business Law

**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $4,200
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8003

The objective of this project is to continue with the preparation of a course of study entitled, "Bulletin #280, Business Law," that will offer teachers a number of alternative teaching strategies and offer teachers solutions to the problems which may arise in and are peculiar to the teaching of business law. Procedures include: (1) continue to review current professional literature, textbooks, workbooks, articles relative to pertinent court cases, etc., relating to business law; (2) revise material that was previously written; (3) prepare chapters in areas such as evaluation, general contracts, special contracts, and court organization; (4) have material reviewed by at least one practicing attorney; (5) submit material as it is prepared to the Business Education Section, Department of Education, for review and possible revision.

**AR 78 0597**

**Preparation of V-TECS Catalog–Heavy Equipment Mechanic.**
**Project Director:** Smith, Curvin C.
**Organization:** Associated Educational Consultants, Inc., Pittsburgh, Pa.
**Address:** 9800 McKnight Road, Pittsburgh, PA 15237
**Descriptors:** *Behavioral Objectives, Catalogs, Check Lists, *Criterion Referenced Tests, *Mechanics (Process), *Performance Based Education, Performance Criteria, Secondary Education, *Task Performance
**Identifiers:** *Heavy Equipment Mechanics, Vocational Technical Education Consortium States
**Funding Period:** Start Date 2 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $10,709
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8006

The objective of this study will be to develop a V-TECS Catalog of performance objectives and criterion-referenced measures for Heavy Equipment Mechanic. The project director will submit to the State Technical Coordinator results of studies and analyses of data, catalogs of performance objectives, and criterion-referenced measures and will adhere to the detailed instructions provided by the Consortium staff. Specifically, AEC will implement the following procedures: (1) personnel development–intensive training to effectively utilize the data from the task analysis system; (2) the domain study for catalog development–encompasses the broad instructional area; (3) computer analysis of incumbent worker survey; (4) preparation of field review version of catalog; and (5) preparation of final catalog.

**AR 78 0598**

**Preparation of V-TECS Catalog–Solar Heating Mechanic.**
**Project Director:** Smith, Curvin C.
**Organization:** Associated Educational Consultants, Inc., Pittsburgh, Pa.
**Address:** 9800 McKnight Road, Pittsburgh, PA 15237
**Descriptors:** *Behavioral Objectives, Catalogs, Check Lists, *Criterion Referenced Tests, *Mechanics (Process), *Performance Based Education, Performance Criteria, Secondary Education, *Solar Radiation, *Task Performance
**Identifiers:** Solar Heating Mechanic, *Vocational Technical Education Consortium States
**Funding Period:** Start Date 2 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $8,896
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8005

The objective of this study will be to develop a V-TECS Catalog of performance objectives and criterion-referenced measures for Solar Heating Mechanic. The project director will submit to the State Technical Coordinator results of studies and analyses of data, catalogs of performance objectives, and criterion-referenced measures and will adhere to the detailed instructions provided by the Consortium staff. Specifically, AEC will implement the following procedures: (1) personnel development–intensive training to effectively utilize the data from the task analysis system; (2) the domain study for catalog development–encompasses the broad instructional area; (3) computer analysis of incumbent worker survey; (4) preparation of field review version of catalog; and (5) preparation of final catalog.

**AR 78 0599**

**Printing of Vocational-Technical Curriculum Resources.**
**Project Director:** Zimmerman, C. Robert
**Organization:** Berks County Area Vocational-Technical School, Reading, Pa.
**Address:** Antietam Valley Shopping Center, 3010 Saint Lawrence Avenue, Reading, PA 19606
**Descriptors:** Business Education, *Curriculum Guides, Health Occupations, Industrial Arts, *Information Dissemination, Learning Modules, Manuals, *Publications, Research Coordinating Units, *Resource Materials
**Funding Period:** Start Date 1 May 78; End Date 30 Jun 78
**Fiscal Year Funding:** $26,100
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 98-8018

The purpose of the project is to disseminate significant curriculum materials. In order to help the RCU accomplish the dissemination function, the Berks County AVTS is undertaking the printing of the following curriculum materials: (1) Industrial Arts Safety Guidelines; (2) Competency-Based Business Education Manuals (California and Arizona); and (3) Health Occupations Modules.

**AR 78 0600**

**Production of a Fifteen-Minute Sound/Color Film on Adapting Equipment for the Handicapped.**
**Project Director:** Lanning, Robert; Miller, Robin
**Address:** 606 West Broad Street, Bethlehem, PA 18018
**Descriptors:** Curriculum Development, *Design Needs, *Educational Equipment, Facility Guidelines, Film Production, *Handicapped Students, *Instructional Films, *Mainstreaming, Sound Films
**Funding Period:** Start Date 15 Jan 79; End Date 30 Jun 79
**Fiscal Year Funding:** $21,775
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-9011

A fifteen-minute film will be produced to illustrate innovative adaptations in the design of standard vocational education equipment which allow for its use by the handicapped. The expected impact on education will be in the area of increasing teacher and administrator motivation and interest in successfully mainstreaming handicapped students into classrooms and institutions as well as in providing some tangible examples of ways in which this may be done. In addition to the 16mm film, a final report will be produced.

**AR 78 0601**

**Production of Radio and Television Announcements on the Promotion of Nontraditional Vocational Education.**
**Project Director:** Kanter, Ron; Arenson, Ellen
**Organization:** Ron Kanter Film Productions, Philadelphia, Pa.
**Address:** 606 South 10th Street, Philadelphia, PA 19147
**Descriptors:** Audiotape Recordings, *Career Education, Career Opportunities, *Equal Education, Nondiscriminatory Education, *Nontraditional Occupations, Programing (Broadcast), *Publicize, Public Relations, Sex Fairness, *Television Commercials
**Funding Period:** Start Date 1 Mar 79; End Date 15 Jun 79
**Fiscal Year Funding:** $25,549
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-9012

Five thirty-second videotapes and five thirty-second audiotapes will be produced to publicize the role of vocational education. These tapes will be targeted to upper elementary and secondary students, adults, and employers. Their primary purpose is to (1) change attitudes and stimulate individual support for equal opportunity in vocational education, (2) publicize nontraditional vocations, and (3) demonstrate that individuals should make choices based on their abilities and talents and not on sex-role stereotypes and expectations. All five of the radio and two of the television public service announcements also will be produced in Spanish. Three of the television announcements will be adapted for the hard of hearing. Copies of the audiotapes and videotapes will be sent to the radio and television stations in Pennsylvania.

**AR 78 0602**

**Project To Develop an Evaluation Instrument To Be Used To Certify Motor Vehicle Emissions Control Systems Mechanics.**
**Project Director:** Adelman, Frank W.; Kraft, Harry M.
**Organization:** Pennsylvania State Univ., University Park
**Address:** 207 Old Main, University Park, PA 16802
**Descriptors:** *Air Pollution Control, *Auto Mechanics (Occupation), *Certification, Equipment Maintenance, *Equipment Standards, *Evaluation Methods, Mastery Tests, Material Development, *Motor Vehicles, Performance Tests, Test Construction
**Identifiers:** Environmental Protection Agency
**Funding Period:** Start Date 15 Mar 78; End Date 30 Jun 78
**Fiscal Year Funding:** $7,739
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8012

A written evaluation instrument will be developed to assess cognitive abilities of technical standards and information required of motor vehicles to meet provisions of the U.S. Clean Air Act as amended August 1977. A performance examination will be developed to assess those additional cognitive and psychomotor skills necessary to the servicing, repairing, and maintaining of emissions control systems to EPA manufacturers specification and approved EPA Standards. Provided will be a means of certifying the level of competency required of mechanics to service, repair, and maintain motor vehicle emissions

control systems by means of written and performance evaluation. Procedures will include: (1) developing an extensive list of evaluation items to ascertain necessary knowledge of motor vehicle emissions control systems; (2) developing a set of performance evaluation assignments to ascertain the skills necessary for satisfactory motor vehicle emission control system repair, service, and maintenance; (3) validating evaluation items developed through a pilot administration of the test; and (4) publishing findings and providing a report to the Bureau of Vocational Education.

**AR 78 0603**

**Revision of Bulletin 273: Accounting for Business Education Departments in Pennsylvania Schools.**
**Project Director:** Brower, Edward B.
**Organization:** Temple Univ., Philadelphia, Pa. Dept. of Vocational Education
**Address:** 203 Ritter Addition, Philadelphia, PA 19122
**Descriptors:** *Accounting, Behavioral Objectives, Bulletins, Curriculum Design, Curriculum Development, *Curriculum Guides, *Educational Strategies, Instructional Improvement, *Instructional Materials, *Office Occupations Education, Research Utilization, Secondary Education, Teaching Methods
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $5,000
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8004

The objective of this project is to design a revised course of study that will help accounting teachers improve instruction by presenting significant research contributions and recommended strategies. This publication will be written on the basis of a review of current literature and research and recommendations of secondary school accounting teachers. The draft manuscript will be revised and edited by the business education section of the Pennsylvania Department of Education. Upon completion, the publication will be distributed to all secondary schools in Pennsylvania.

**AR 78 0604**

**Revision of Supervised Occupational Experience Program Materials.**
**Project Director:** Williams, William
**Organization:** Pennsylvania State Univ., University Park
**Address:** 102 Armsby Building, University Park, PA 16802
**Descriptors:** *Agricultural Education, Curriculum Development, Experiential Learning, *Instructional Materials, Job Skills, Material Development, Task Performance, *Teacher Developed Materials, Teacher Workshops, Vocational Agriculture, *Work Experience Programs
**Funding Period:** Start Date 1 May 78; End Date 30 Jun 78
**Fiscal Year Funding:** $21,077
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8015

This project will revise and update the following materials: 31 approved practices, 31 analysis sheets, goals for crops and livestock, efficiency factors for scoring the production record book, cost account charges for the production record book, the production record book, and the record book of skills and tasks. Procedures will be to (1) select qualified teachers of agriculture to participate in the revision and updating; (2) conduct a workshop in mid-April to develop format for the revisions and to establish the goals for the analysis sheets and goals publication; (3) establish a schedule for revising the publication; and (4) secure the service of a qualified non-University organization to assist in conducting the workshop, coordinating the activities, proofreading the manuscripts, and producing the final copies.

**AR 78 0605**

**Rewrite of Competency-Based Events for Distributive Education Clubs of America (DECA).**
**Project Director:** Hirshfeld, Marvin
**Organization:** Temple Univ., Philadelphia, Pa.
**Address:** 287 Ritter Addition, Philadelphia, PA 19122
**Descriptors:** Activities, *Conferences, *Distributive Education, *Evaluation Methods, Guidelines, Review (Reexamination), Skills, *Standards, *Student Organizations, Validity
**Identifiers:** *Distributive Education Clubs of America
**Funding Period:** Start Date 2 Jan 79; End Date 30 Jun 79
**Fiscal Year Funding:** $8,802
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-9005

In order to rewrite competency-based competitive events for DECA, project staff will (1) review and revise approximately 500 competency-based evaluation activities in seven USOE code areas, (2) review the guidelines for writing competitive events as developed by national DECA so that the revised activities will conform to the national guidelines, (3) review the current competency list for the seven areas in order to eliminate events where the competency is no longer listed, and (4) validate the revised events to determine if they conform to industry standards. A camera-ready copy of each event will be prepared. Activities developed will be used at local, regional, and state career development conferences.

**AR 78 0606**

**Study to Determine the Skills and Knowledge Required for Personnel in Business Data Processing Centers.**
**Project Director:** Armstrong, Ruth D.
**Organization:** Shippensburg State Coll., Pa.
**Address:** Shippensburg, PA 17257
**Descriptors:** *Business Education, *Computer Science, *Data Processing Occupations, *Educational Background, Employment Opportunities, *Employment Qualifications, *Job Skills, Occupational Information, Programing Languages, Senior High Schools
**Funding Period:** Start Date 17 Apr 78; End Date 30 Jun 78
**Fiscal Year Funding:** $1,744
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8014

This project will determine (1) the number and type of positions available in business data processing centers as well as the minimum educational requirements for each; (2) what peripheral equipment is being utilized to support the computer; (3) what type of input media is being utilized; (4) what languages are being used; and (5) what type of educational preparation is preferred for each job cluster. A survey instrument will be constructed and a pilot study will be done to test the clarity of the survey instrument. After necessary revisions, the questionnaire will be mailed to approximately 1,800 firms in Pennsylvania. The returned questionnaires will be tabulated and analyzed.

**AR 78 0607**

**Tool and Die Maker Curriculum Development.**
**Project Director:** Adelman, Frank W.
**Organization:** Pennsylvania State Univ., University Park
**Address:** 207 Old Main, University Park, PA 16802
**Descriptors:** Catalogs, Curriculum Development, Curriculum Evaluation, *Employment Opportunities, Job Skills, *Occupational Information, *State of the Art Reviews, Task Analysis, *Tool and Die Makers
**Funding Period:** Start Date 31 Mar 78; End Date 30 Jun 78
**Fiscal Year Funding:** $13,211
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8013

The project will (1) conduct a state-of-the-art study for the job title, "Tool and Die Maker" (601.280); (2) develop an inventory of tasks based on the state-of-the-art study and organize this in booklet form; (3) develop a final report of the domain study based on the state-of-the-art study (as time permits); (4) sample incumbent workers in the tool and die maker field as to their responses to the tasks identified in the domain study; (5) prepare a catalog of tasks required in tool and die making and in related occupations; and (6) develop a listing of DOT classifications of related occupations in which graduates in tool and die maker programs find employment. A state-of-the-art study will be conducted via an extensive review of numerous informational sources. Based on the findings in the state-of-the-art study, a comprehensive list of task performed by incumbent workers will be developed. The study and task list will provide an input for Phase II of the project; that is, validation of the task list and preparation of student objectives and evaluation measures.

**AR 78 0608**

**Typewriting for Business Education Departments in Pennsylvania's Public Schools.**
**Project Director:** Leffingwell, Elsie L.
**Organization:** Robert Morris Coll., Coraopolis, Pa. Business Teacher Education Dept.
**Address:** Narrows Run Road, Coraopolis, PA 15108
**Descriptors:** Behavioral Objectives, Bulletins, *Business Education, Curriculum Design, Curriculum Development, *Curriculum Guides, *Educational Strategies, Instructional Improvement, *Instructional Materials, Research Utilization, Secondary Education, Teaching Methods, *Typewriting
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $10,050
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-8002

The objective of this project is to design a revised course of study that will help typewriting teachers improve instruction by presenting significant research contributions and recommended teaching strategies. This publication will be written on the basis of a review of current literature and research and recommendations of secondary school typewriting teachers. The draft manuscript will be revised and edited by the business education section of the Pennsylvania Department of Education. Upon completion, the publication will be distributed to all secondary schools in Pennsylvania.

**AR 78 0609**

**V-TECS Catalog Development–Medical Secretary.**

**Project Director:** Smith, Curvin C.
**Organization:** Associated Educational Consultants, Inc., Pittsburgh, Pa.
**Address:** McKnight & Pine Creek Rds., P.O. Box 15073, Pittsburgh, PA 15237
**Descriptors:** *Behavioral Objectives, Catalogs, Check Lists, *Criterion Referenced Tests, *Performance Based Education, Performance Criteria, Secondary Education, *Secretaries, *Task Performance
**Identifiers:** *Vocational Technical Education Consortium States
**Funding Period:** Start Date 5 Mar 79; End Date 30 Jun 79
**Fiscal Year Funding:** $15,494
**Sponsoring Agency:** Pennsylvania State Dept. of Education, Harrisburg
**Contract and/or Control No.:** 93-9014

Valid curriculum materials for vocational education programs for the occupation of medical secretary will be developed in this project. A catalog of performance objectives and guides, including a tools and equipment list, will be submitted to the state technical coordinator and will adhere to the detailed instructions provided by the V-TECS staff. Specifically, procedures will include: (1) personnel development, including intensive training to effectively use the data from the task analysis system, (2) the domain study for catalog development, which will encompass the broad instructional area, (3) computer analysis of incumbent worker survey, (4) preparation of the field review version of the catalog, and (5) final preparation of the catalog. A state-of-the-art study for the medical secretary occupation will be delivered.

# RHODE ISLAND

## Research (Sec. 131)

**AR 78 0610**

**Parent Involvement Program.**
**Organization:** Conventry School District, R.I.
**Address:** Flat River Road, Coventry, RI
**Descriptors:** *Career Development, Communication Skills, *Counselor Training, Junior High Schools, *Parent Participation, *Parent School Relationship, *Parent Student Relationship, *Parent Workshops
**Funding Period:** Start Date 9 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $424 (Charged to FY 1977)
**Note:** This project also received $423 under Subpart 3 for FY 1978.
**Sponsoring Agency:** Rhode Island State Dept. of Education, Providence
**Contract and/or Control No.:** 1430-553-807-1-06

To adopt or adapt the Career Development Partnership Program for the Junior High School Level Model to meet the needs of Coventry Junior High School East, counselors will attend four general and four specific sessions for training in listening skills techniques and in presenting the program to parents. Materials used in parent sessions will include job histories, filmstrips, and a survey instrument about vocational choices for completion by parents and students. Parent involvement workshops will be held in three sessions each for ninth and seventh grades. Ninth grade workshops will include components on orientation, listening skills, decision making processes, and program offerings in vocational technical schools and high schools. The seventh grade workshops will be similar, but will discuss elective program offerings at Coventry Junior High School East. All meetings will be held at the vocational technical school or junior high school as appropriate and will include facility tours and discussions with staff members.

**AR 78 0611**

**Parent Involvement Training.**
**Organization:** Providence School Dept., R.I.
**Address:** Providence, RI 02903
**Descriptors:** *Career Development, Communication Skills, *Counselor Training, Junior High Schools, *Parent Participation, *Parent School Relationship, *Parent Student Relationship, *Parent Workshops
**Funding Period:** Start Date 9 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $542 (Charged to FY 1977)
**Note:** This project also received $542 under Subpart 3 for FY 1977.
**Sponsoring Agency:** Rhode Island State Dept. of Education, Providence
**Contract and/or Control No.:** 1430-553-814-1-28

Selected staff from Flynn School will be trained to lead parent involvement sessions to increase parents' awareness of and effectiveness in the vocational development of their children. The training will improve the ability of staff to deal with parents and their children in terms of vocational and career education by providing communication skills which impact positively on the career development of children.

**AR 78 0612**

**Project Assist.**
**Organization:** North Providence School District, R.I.
**Address:** North Providence, RI 02904
**Descriptors:** *Career Development, Communication Skills, *Counselor Training, Junior High Schools, *Parent Participation, *Parent School Relationship, *Parent Student Relationship, *Parent Workshops
**Funding Period:** Start Date 9 Jan 78; End Date 19 Jun 78
**Fiscal Year Funding:** $478 (Charged to FY 1977)
**Note:** This project also received $478 under Subpart 3 for FY 1977.
**Sponsoring Agency:** Rhode Island State Dept. of Education, Providence
**Contract and/or Control No.:** 1430-553-803-1-24

Counselors will be trained to lead parent involvement sessions to increase parents' awareness of and effectiveness in the vocational development of their children. Four each of these sessions will be held at Birchwood and Lymansville schools; twenty parents will be involved at both locations. Children of participating parents will meet on a weekly basis to develop skills in communication, self-awareness, and obtaining career information. Students will also attend a career day at North Providence High School. Parents, students, and counselors will evaluate the program. Recommendations will be presented to the curriculum committee and superintendent regarding a proposed expansion to the high school level.

## Exemplary and Innovative (Sec. 132)

**AR 78 0613**

**Aquidneck Island Learning Center Extension Program.**
**Project Director:** Donilon, Jean
**Organization:** Sullivan School, Newport, R. I.
**Address:** Dexter Street, Newport, RI 02840
**Descriptors:** *Adults, Area Vocational Schools, *Career Exploration, College Credits, *Educational Opportunities, *Extension Education, *High School Equivalency Programs, *High School Students, Seminars
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $10,000
**Sponsoring Agency:** Rhode Island State Dept. of Education, Providence
**Contract and/or Control No.:** 1430-553-810-1-21

Project objectives are to (1) establish High School Equivalency classes at the Rogers High Vocational Facility, Newport, Rhode Island; (2) provide students the opportunity to explore vocational programs as well as postsecondary programs through seminars specially designed to meet their needs; and (3) provide adults the opportunity to receive college credit for their participation in an accredited Vocational Course. High School Equivalency classes will be conducted at the Rogers Vocational Facility and special vocational tours of the available vocational facilities will be conducted at the Rogers Vocational School.

**AR 78 0614**

**Occupational Resources Help.**
**Project Director:** DiLuglio, Domenic
**Organization:** Warwick School Dept., R. I.
**Address:** 34 Warwick Lake Avenue, Warwick, RI 02889
**Descriptors:** Adolescents, *Educational Alternatives, *Experiential Learning, *Handicapped Students, *Work Experience Programs, Young Adults
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $10,000
**Sponsoring Agency:** Rhode Island State Dept. of Education, Providence
**Contract and/or Control No.:** 1430-553-810-1-35

Objectives of the project are to (1) expand the present occupational program to serve additional handicapped students; (2) provide intensive instruction to the handicapped students enrolled; (3) increase the present population in the occupational program to comprise 50 percent handicapped; and (4) provide resource support to the handicapped students in the non-academic portion of their program. The program is designed to explore alternative education for students 16 to 19 years of age. The student participates in the regular vocational-technical program at the facility and is released for part-time employment during the regular school day as a required part of the program.

**AR 78 0615**

**Project COPE.**
**Project Director:** Walton, Charles
**Organization:** Rhode Island Coll., Providence. Urban Educational Center
**Address:** Providence, RI 02905
**Descriptors:** *Career Planning, *Educational Attitudes, Educational Programs, Equal Opportunities (Jobs), High School Equivalency Programs, Postsecondary Education, Seminars, *Vocational Counseling, Workshops
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $10,152
**Sponsoring Agency:** Rhode Island State Dept. of Education, Providence
**Contract and/or Control No.:** 1430-553-805-5-35

This project will provide equivalency training, counseling, and opportunities to participate in activities relating to postsecondary career planning. A pilot group of 100 persons will receive high school equivalency preparation training. A questionnaire will be given to determine the individual's attitude toward and opinion of postsecondary career education. Onsite visits will be made to Rhode Island College, Rhode Island Junior College, and the Vocational-Technical Facilities in Rhode Island. Workshops and seminars will be conducted throughout the training program to emphasize equal opportunities for women. Followup surveys will be conducted.

AR 78 0616
**Providence Vocational Education Program for the Handicapped.**
**Project Director:** Jones, Jerome
**Organization:** Providence Public Schools, R. I.
**Address:** 150 Washington Street, Providence, RI 02905
**Descriptors:** *Experiential Learning, *Handicapped Students, *Individualized Instruction, *Inservice Education, Needs Assessment, Secondary Education
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $30,000
**Sponsoring Agency:** Rhode Island State Dept. of Education, Providence
**Contract and/or Control No.:** 1430-553-813-1-28

Objectives of the project are to (1) identify and select handicapped students for participation in the vocational program; (2) assess, diagnose, and prescribe within each IEP a smooth interface of academic and vocational experiences; (3) provide inservice training for the vocational and academic staffs; and (4) provide a vocational program for handicapped students. The Providence school department will identify and assess the vocational needs of a secondary level handicapped population. Inservice training of staff will be ongoing. Implementation of the total program will be in September of 1978.

## Curriculum Development (Sec. 133)

AR 78 0617
**Career Development Partnership.**
**Project Director:** Couto, Barry
**Organization:** William Davies Vocational Technical School, Lincoln, R.I.
**Address:** Lincoln, RI
**Descriptors:** *Career Choice, *Career Planning, *Decision Making, Parent Attitudes, Parent Counseling, *Parent Student Relationship, *Parent Workshops, Student Attitudes, *Vocational Counseling
**Funding Period:** Start Date 9 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $685
**Sponsoring Agency:** Rhode Island State Dept. of Education, Providence
**Contract and/or Control No.:** 1430-553-808-7-40

A counselor will work with students and their parents to increase their knowledge about career planning for students. The Dictionary of Occupational Titles, the Occupational Outlook Handbook, and Department of Labor projections will be used in workshops designed to make parents aware of the process and factors such as potential and interests involved in setting goals, and of the opportunities that schools provide in helping students make choices. Selecting appropriate high school programs for pursuing career choices and clarifying feelings about careers, school programs, and teachers will be effected through individual counseling sessions, a demonstration and lecture by the counselor, and a poster series presentation.

# SOUTH DAKOTA

## Research (Sec. 131)

**AR 78 0618**

**Agreement for Cooperative Investigation to Conduct Extensive Studies Relating to Vocational Education.**
**Organization:** South Dakota Univ., Vermillion. Business Research Bureau
**Address:** Vermillion, SD 57069
**Descriptors:** Data Analysis, Data Collection, Demography, *Employment Statistics, Interagency Cooperation, Labor Market, *Labor Supply, *Manpower Needs, *Program Evaluation, *Program Planning, Socioeconomic Influences
**Identifiers:** *Emerging Occupations
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $25,000
**Sponsoring Agency:** South Dakota State Dept. of Education and Cultural Affairs, Pierre

Economic and sociological statistical models will be used to develop manpower data and analysis. New and expanding occupational areas will be identified with the help of the Industrial Development and Expansion Agency. For planning purposes, demographic and socioeconomic data and occupational employment data will be provided to the State Board of Vocational Education along with data on labor market supply and demand, new and emerging careers, and program evaluations.

## Exemplary and Innovative (Sec. 132)

**AR 78 0619**

**Career Competency Project (Continuation).**
**Organization:** Huron Independent School District, S. Dak.
**Address:** Huron, SD 57350
**Descriptors:** Career Awareness, *Career Education, Career Exploration, Curriculum Development, Elementary Secondary Education, *Inservice Teacher Education, Job Skills, *Material Development, Needs Assessment, *Performance Based Education, *Program Development, *Teaching Guides
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $109,000
**Sponsoring Agency:** South Dakota State Dept. of Education and Cultural Affairs, Pierre

Project staff will develop a comprehensive model program of career education which may be implemented in South Dakota schools, grades K-12, and encourage its implementation in the local school district. To accomplish this objective, project staff will develop needs assessments for students and teachers for career competencies, develop career awareness materials, provide teacher inservice programs on career competency processes, and develop competency-based materials for career exploration.

## Curriculum Development (Sec. 133)

**AR 78 0620**

**Membership Dues with Mid America Vocational Curriculum Consortium (MAVCC).**
**Organization:** Mid America Vocational Curriculum Consortium, Stillwater, Okla.
**Address:** Stillwater, OK 74074
**Descriptors:** *Consortia, Cost Effectiveness, Curriculum Development, *Educational Needs, Formative Evaluation, *Information Dissemination, *Inservice Teacher Education, Material Development, Needs Assessment, Networks, *Performance Based Education, Validated Programs
**Identifiers:** *Mid America Vocational Curriculum Consortium
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $10,000
**Sponsoring Agency:** South Dakota State Dept. of Education and Cultural Affairs, Pierre

Funding from this project will provide Oklahoma's membership dues for Mid America Vocational Curriculum Consortium. Membership allows for more cost effective development and dissemination of competency-based, current, and validated curriculum materials. The curriculum needs of member states will be identified, a curriculum development advisory committee established, and curriculum materials developed, field tested, and disseminated. Inservice programs will be provided to help teachers adopt and adapt the curriculum materials.

# TENNESSEE

## Research (Sec. 131)

**AR 78 0621**

**Analysis of Vocational Education Program Costs and Funding Policy.**

**Project Director:** Dunn, Charlie M.
**Organization:** Middle Tennessee State Univ., Murfreesboro
**Address:** Murfreesboro, TN 37132
**Descriptors:** *Cost Effectiveness, *Data Analysis, *Data Bases, *Expenditure Per Student, *Instructional Student Costs, *Program Costs, Secondary Education, *Student Costs
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $29,205 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Tennessee State Dept. of Education, Nashville
**Contract and/or Control No.:** RFS 331.45-11

The cost of comprehensive secondary vocational education will be determined by programs within a selected sample. The per student costs and the per student contact hour costs will be computed by vocational program. A data base and a means for determining project long-range program costs will be provided. To prepare for the cost analysis, data gathering instruments will be developed, and four comprehensive high schools and two vocational centers will be selected. After pilot testing in two facilities, a cost analysis will be made of the remaining four.

**AR 78 0622**

**Development and Implementation of a One- and Five-Year Student- and Employer-Based Follow-Up Study of Secondary Vocational Education Programs in Tennessee.**

**Project Director:** Bettis, Glenn E.
**Organization:** East Tennessee State Univ., Johnson City
**Address:** Johnson City, TN
**Descriptors:** Computer Programs, *Employer Attitudes, *Graduate Surveys, *Occupational Surveys, *Program Planning, Secondary Education, *Vocational Followup
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $21,394 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Tennessee State Dept. of Education, Nashville
**Contract and/or Control No.:** RES 331.45-12

A one- and five-year student and employer follow-up study of secondary vocational education programs in Tennessee will be developed and implemented to provide information for program planners, employers, future vocational graduates, and vocational educators. To prepare for the study, project staff will determine the graduates and employers to be surveyed and develop questionnaires, a systematic sampling plan, and an appropriate computer program.

**AR 78 0623**

**Examination of the Articulation Process between Secondary and Postsecondary Vocational Education Programs in Tennessee and Recommendations for Improvement.**

**Project Director:** Petry, John R.
**Organization:** Memphis State Univ., Tenn. Bureau of Educational Research and Services
**Address:** Memphis, TN 38152
**Descriptors:** *Articulation (Program), *College High School Cooperation, *Interinstitutional Cooperation, *Program Evaluation, School Surveys, *Success Factors, *Systems Development
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $31,969 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Tennessee State Dept. of Education, Nashville
**Contract and/or Control No.:** RFS 331.45-13

A schematic design for effective vocational education articulation will be developed from research findings. Through administration of a questionnaire, the current status of vocational education articulation between secondary and postsecondary schools will be identified, as well as existing procedures which demonstrate the existence or absence of articulation.

## Exemplary and Innovative (Sec. 132)

**AR 78 0624**

**Design and Implementation of an Articulated Guidance and Placement Program in Comprehensive High Schools and Vocational Centers.**

**Project Director:** Hugueley, James E.
**Organization:** Memphis City Schools, Tenn.
**Address:** Memphis, TN
**Descriptors:** Area Vocational Schools, Career Choice, Career Planning, Comprehensive High Schools, Educational Resources, Grade 12, Job Placement, *Occupational Choice, *Occupational Guidance, *Program Development, School Community Relationship, Secondary Education, Secondary School Students, *Student Needs, *Student Placement
**Funding Period:** Start Date 1 Jan 78; End Date 30 Sep 78
**Fiscal Year Funding:** $32,525
**Sponsoring Agency:** Tennessee State Dept. of Education, Nashville
**Contract and/or Control No.:** E77-10

Students attending seventeen comprehensive high schools and vocational and technical centers will be provided with an expanded vocational guidance and placement effort designed to assist them with placement and articulation. The demonstration project will be developed to implement and improve upon a program of occupational guidance information. A series of readiness sessions will be used to prepare students for the world of work, and a method of occupational reality testing will be developed for career choices. Positive relationships will be developed among all community resources. A user's guide, communicating the philosophy, methods, activities, and evaluation results, will be produced and disseminated.

**AR 78 0625**

**Design and Implementation of an Articulated Guidance Program in Sullivan Central and Sullivan East Comprehensive High Schools.**

**Project Director:** Brewer, Vaughn
**Organization:** Sullivan County Schools, Kingsport, Tenn.
**Address:** Kingsport, TN
**Descriptors:** Counseling, Educational Resources, *Followup Studies, *Graduate Surveys, Guidance, *Job Placement, Material Development, *Occupational Guidance, *Resource Centers, *School Industry Relationship, Student Placement
**Funding Period:** Start Date 1 Jan 78; End Date 30 Sep 78
**Fiscal Year Funding:** $23,412 (Charged to FY 1977)
**Sponsoring Agency:** Tennessee State Dept. of Education, Nashville
**Contract and/or Control No.:** E77-40

A direct line of communication between the world of work and the local vocational program will be established. Group and individual guidance and counseling and individual testing for student interest will be conducted to ensure proper placement. Using local business and industry personnel, advisory committees, employment security data, Chamber of Commerce, and local civic organizations, job placement resource centers will be created. For a systematic, continuous job placement and follow-up program for vocational graduates, individual student folders will be prepared and a periodic written survey of all previous graduates conducted. The project intends to increase the understanding and acceptance of vocational education, and a guide with identifiable resources for use in other school settings will be prepared and disseminated.

**AR 78 0626**

**Exemplary Child Care and Guidance Program for Hillwood High School.**

**Project Director:** Pinkerton, Nell F.
**Organization:** Metropolitan Nashville Public Schools, Tenn.
**Address:** Nashville, TN
**Descriptors:** *Child Care Occupations, Disadvantaged Youth, Employment Opportunities, Employment Qualifications, *Experiential Learning, *Guidance Programs, Secondary Education, *Student Evaluation, Work Experience Programs
**Funding Period:** Start Date 1 Jan 78; End Date 30 Sep 78

**Fiscal Year Funding:** $18,735
**Sponsoring Agency:** Tennessee State Dept. of Education, Nashville
**Contract and/or Control No.:** E77-80

The purposes of the project are to (1) provide more adequate instruction in preparing students for employment in child care centers and (2) incorporate instructional techniques to assist students in developing a positive self-concept. The program will take students enrolled in the child-care program and involve them in the activities of an existing child care center. Since many of the high school students are disadvantaged, two teachers will be utilized to provide additional remedial training, counseling services, and classroom work.

**AR 78 0627**

**Greene County Guidance and Placement Program.**
**Project Director:** Sellers, Floyd
**Organization:** Greene County Schools, Greeneville, Tenn.
**Address:** Greeneville, TN
**Descriptors:** Community Resources, *Guidance Programs, Information Services, Information Utilization, *Job Placement, Job Skills, Occupational Guidance, *Occupational Information, School Community Cooperation, *Student Placement
**Funding Period:** Start Date 1 Jan 78; End Date 30 Sep 78
**Fiscal Year Funding:** $17,692
**Sponsoring Agency:** Tennessee State Dept. of Education, Nashville
**Contract and/or Control No.:** E77-70

Project objectives are to (1) insure entry-level marketable skills for students; (2) provide placement services for every student; (3) build utilization and coordination of community resources; and (4) provide a vocational information service. Information about occupations will be provided to students through the establishment of a placement center. Coordinated by a placement director, the project staff will also work closely with other school personnel. A team approach will utilize the administrators, counselors, rehabilitation teachers, craft teachers, and employers in helping place program graduates.

**AR 78 0628**

**Request to Design and Implement a Guidance and Placement Program at Heritage Comprehensive High School and the Blount Occupational Education Center.**
**Project Director:** Goins, J. L.
**Organization:** Blount County Schools, Maryville, Tenn.
**Address:** Maryville, TN
**Descriptors:** Career Awareness, Elementary Secondary Education, Grade 9, Inservice Programs, *Job Placement, Occupational Clusters, *Occupational Guidance, *Occupational Information, *Program Design, *Program Development, Student Needs, Student Testing, Vocational Training Centers
**Funding Period:** Start Date 1 Jan 78; End Date 30 Sep 78
**Fiscal Year Funding:** $28,100 (Charged to FY 1977)
**Note:** This project also received $3,750 under Sec. 132 for FY 1978.
**Sponsoring Agency:** Tennessee State Dept. of Education, Nashville
**Contract and/or Control No.:** E77-20

To help ensure proper placement of students in vocational programs and provide personal assistance beyond high school, a program of guidance and placement services will be developed. Cooperation between students, teachers, counselors, and the world of work will be emphasized. For elementary students, vocational awareness programs using field trips, visual aids, speakers, and career materials will be developed. To assist teachers in integrating occupational information in the classroom, inservice meetings will be held. A one-semester exploratory course will be developed for ninth grade students to introduce the fifteen career clusters. School personnel will aid students in selecting an appropriate vocational program, and measures will be taken to improve the existing counseling program. A student assessment focusing on abilities, interests, and aptitudes will be developed. Finally, a detailed county-wide job placement program will be implemented.

**AR 78 0629**

**Study of Three Types of Placement in Relation to Student Success in Vocational Programs.**
**Project Director:** Morgan, Helen D.
**Organization:** Rhea County Schools, Dayton, Tenn.
**Address:** Dayton, TN
**Descriptors:** Career Choice, Career Exploration, *Cooperative Education, Grade 7, Grade 8, *Job Placement, Occupational Surveys, *On the Job Training, *Prevocational Education, Secondary Education, *Student Placement, *Work Experience Programs, Workshops
**Funding Period:** Start Date 1 Dec 77; End Date 30 Sep 78
**Fiscal Year Funding:** $18,800
**Sponsoring Agency:** Tennessee Dept. of Education, Nashville
**Contract and/or Control No.:** E77-30

This study will focus on the value of pre-vocational exploration and orientation, the function of realistic job experiences using cooperative or on-the-job learning, and the importance of job placement services in ensuring student success in vocational education. A workshop will be held for guidance and teaching personnel as well as advisory committee members. Seventh and eighth grade students will be provided with counseling and testing opportunities in job exploration and decision making. Students will be involved in cooperative placement activities and job applications. Follow-up surveys, including exit interviews, will be conducted as well as surveys of job opportunities, job descriptions, placement possibilities, and placement records.

**AR 78 0630**

**Summer Experience in Prevocational Education.**
**Project Director:** Colston, Henry L.
**Organization:** Hamilton County Schools, Chattanooga, Tenn.
**Address:** Chattanooga, TN
**Descriptors:** *Career Education, *Prevocational Education, Safety Education, Senior High Schools, Student Interests, Student Recruitment, *Summer Programs
**Funding Period:** Start Date 1 Jan 78; End Date 30 Sep 78
**Fiscal Year Funding:** $52,998
**Sponsoring Agency:** Tennessee State Dept. of Education, Nashville
**Contract and/or Control No.:** E77-60

Objectives of the project are to (1) provide students with exploration in eight occupational areas; (2) provide motivation for student achievement in future basic academic subjects; (3) present students a printed program sequence for each vocational course; (4) provide students with projected courses for grades 10-12; (5) identify students who can best benefit from vocational programs; and (6) insure that each student demonstrates knowledge of shop safety. A survey of math students will be made to determine their interest in the summer prevocational course. Assessment of these students will be made by using the Ohio Vocational Interest Survey. During the summer experience, students will rotate among eight vocational programs. Program completers will receive one-half credit.

**AR 78 0631**

**Systematic Approach to Vocational Evaluation (SAVE).**
**Organization:** Metropolitan Nashville Public Schools, Tenn.
**Address:** Nashville, TN
**Descriptors:** *Career Choice, Employment Opportunities, Guidance Programs, *Handicapped Students, *Mobile Educational Services, Occupational Guidance, Student Ability, *Student Evaluation, Student Needs, Vocational Aptitude, *Vocational Counseling
**Funding Period:** Start Date 1 Jan 78; End Date 30 Sep 78
**Fiscal Year Funding:** $5,130
**Sponsoring Agency:** Tennessee State Dept. of Education, Nashville
**Contract and/or Control No.:** E77-90

The purpose of the project is to match handicapped youngsters' abilities and vocational course offerings, as well as relating both of these to opportunities for meaningful employment in the community. Systematic vocational evaluation and guidance will be provided to 126 youngsters currently enrolled or about to be enrolled in the VAP (Vocational Advancement Program). Because youngsters to be evaluated attend school in all parts of the country, a mobile vocational evaluation center consisting of a converted school bus will be used.

**AR 78 0632**

**Vocational Guidance: Assessment, Occupational Information, and Job Placement.**
**Project Director:** Pigg, Jerry D.
**Organization:** Wayne County Schools, Waynesboro, Tenn.
**Address:** Waynesboro, TN
**Descriptors:** Grade 9, *Information Dissemination, *Job Placement, Models, *Occupational Guidance, *Occupational Information, School Community Relationship, Secondary Education, Student Interests, *Student Placement, Student Recruitment, Student Testing
**Funding Period:** Start Date 1 Jan 78; End Date 30 Sep 78
**Fiscal Year Funding:** $2,230
**Sponsoring Agency:** Tennessee State Dept. of Education, Nashville
**Contract and/or Control No.:** E77-30

This project will provide a model for vocational guidance. All ninth grade and interested vocational students will be assessed using the Ohio Vocational Interest Survey, Career Maturity Inventory, and the Differential Aptitude Test. Using the Science Research Associates (SRA) Kit and an Occupational Outlook Handbook to provide occupational information, individual counseling sessions will be held to ensure appropriate student placement. Job placement activities will include school visits by industrial representatives, on-site visits by students, and in-school recruitment by industry personnel. Re-administration of the Career Maturity Inventory and followup of graduates will provide evaluation information. Information generated by this project will be compiled into a guide.

# TEXAS

## Research (Sec. 131)

**AR 78 0633**

**Assessment of the Advisory Council for Technical-Vocational Education.**
**Project Director:** Skinkle, John
**Organization:** Texas A&M Univ., College Station
**Address:** College Station, TX 77843
**Descriptors:** *Advisory Committees, Data Analysis, Data Collection, Historical Reviews, *Program Effectiveness, Program Improvement, Quality Control, State Programs, *Summative Evaluation, *Use Studies
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $49,348
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 78230028

The objectives of this project are to (1) review and summarize the history of the establishment, membership, and implementation of the Council; (2) analyze and categorize recommendations made by the Council; (3) analyze the congruency of Council recommendations with information the Council obtained through studies, hearings, and other sources; (4) determine the extent that actions taken by the State Board for Vocational Education were influenced by Council recommendations; (5) identify evidence of changes resulting from Council recommendations (e.g., program changes, changes in board policy, levels of funding, etc.); (6) determine characteristics that tend to distinguish recommendations which result in improvement of the state's program of vocational education; and (7) develop recommendations for improving the effectiveness of the Council. Procedures will include: (1) systematic and comprehensive review of all Council publications and actions; (2) analysis of information collected by the Council and the project staff to determine congruency with Council recommendations; and (3) validation of the findings, conclusions, and recommendations of the project staff by a knowledgeable review team.

**AR 78 0634**

**Assessment of the Basic Curriculum Guide for Teaching Vocational Agriculture in Texas.**
**Project Director:** Brown, Herman D.
**Organization:** Texas A&M Univ., College Station
**Address:** College Station, TX 77843
**Descriptors:** *Agricultural Education, *Agricultural Production, Curriculum Development, *Curriculum Evaluation, *Curriculum Guides, Data Analysis, *Needs Assessment, Resource Materials, Teacher Attitudes
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $40,919
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 78230001

The primary objective of this project is to make a comprehensive analysis and revision of the basic curriculum guide for teaching production agriculture in Texas. The project staff will survey other states for relevant materials to include as resource materials in developing a curriculum guide. An instrument will be designed to determine teacher reaction to the proposed revised guide. The State Director of Agricultural Education in the Texas Education Agency will be requested to appoint a 25-member state advisory committee to provide direction to the project staff. Three advisory committee meetings will be scheduled. Sub-committees will be organized throughout the State and may include additional personnel not appointed to the original state advisory committee. The state advisory committee will be responsible for validating the revised basic curriculum guide.

**AR 78 0635**

**Curriculum Development for Specialized Distributive Occupational Areas.**
**Project Director:** Patterson, Edith
**Organization:** Houston Independent School District, Tex.
**Address:** Houston, TX 77004
**Descriptors:** Curriculum Development, *Curriculum Evaluation, *Curriculum Guides, *Distributive Education, Finance Occupations, Food Service Occupations, Marketing, Retailing
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $32,015
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 78230095

This project intends to field test, evaluate, revise, and prepare for publication curriculum guides in the specialized distributive education areas of fashion retailing, food distribution, industrial/wholesale marketing, and finance and credit. Procedures will be: (1) field test curriculum guides in 50 selected distributive education programs; (2) test site visits to monitor use and evaluation of guides by participating teachers; (3) revise and improve curriculum guides and prepare revised guides for publication; and (4) develop and publish final report.

**AR 78 0636**

**Design and Development of Curriculum in Energy Conservation to Train Secondary and Postsecondary Vocational Students.**
**Project Director:** Green, C. Paul
**Organization:** Navarro Coll., Corsicana, Tex.
**Address:** Corsicana, TX 75110
**Descriptors:** *Curriculum Design, Curriculum Development, *Curriculum Evaluation, *Educational Needs, *Educational Objectives, *Energy Conservation, Postsecondary Education, Secondary Education, Teaching Methods
**Funding Period:** Start Date 1 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $49,167
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 78230154

This project intends to develop a curriculum in energy conservation for use in secondary and postsecondary vocational education programs. The project will employ a director, curriculum specialist, and secretary on a full-time basis to facilitate the development of the curriculum in energy conservation. The director will assemble a curriculum committee with consultants that will meet twice during the term of the project. The committee will discuss the objectives and formulate a procedure for developing a curriculum in energy conservation. The final meeting of the committee will evaluate the curriculum design and make additional recommendations for implementation of the design in a pilot or model application.

**AR 78 0637**

**Development and Implementation of a Training Curriculum and Program in Solar Heating and Cooling at the Technician Level.**
**Project Director:** Troutman, C. Walter
**Organization:** Texas State Technical Inst., Waco
**Address:** Waco, TX
**Descriptors:** Cooperative Programs, Curriculum Development, Educational Needs, *Educational Programs, Heating, Job Training, *Paraprofessional Personnel, *Program Development, Program Validation, *Refrigeration Mechanics, *Solar Radiation, Task Analysis, *Technical Education
**Funding Period:** Start Date 1 Oct 77; End Date 31 Jan 78
**Fiscal Year Funding:** $7,215
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 78230056

Curriculum will be developed to provide a training program in installing, maintaining, and repairing domestic and commercial solar energy heating and cooling systems. Through the use of a school and industry cooperative committee and a project advisory committee, a task inventory and a task analysis will be conducted, involving field work in manufacturing, installing and repairing. Job characterization, terminal task development, and syllabi and lesson plans will be included in the program design. Seminars and workshops for persons already in the field as well as students entering the field will be held. Short courses and public information will be designed to foster implementation of the technology and to validate the curricula. The implementation of this curriculum should have immediate impact on the ability of vocational education to respond to priority training needs in an emerging occupational specialization.

**AR 78 0638**

**Development and Pilot Testing of a Model to Create an Awareness of Sex Bias and Sex Stereotyping in Vocational Education.**

**Project Director:** Griffin, Wilma
**Organization:** Texas Univ., Austin
**Address:** Austin, TX 78712
**Descriptors:** Home Economics Teachers, *Homemaking Education, Instructional Aids, Material Development, *Models, Needs Assessment, *Nondiscriminatory Education, *Role Perception, *Sex Discrimination, *Sex Stereotypes
**Funding Period:** Start Date 15 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $25,033
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 78230176

The objective of the project is to develop and pilot test a model to create an awareness of sex bias and sex stereotyping in vocational education programs. The proposed model will use homemaking teachers in the state as a subject group. The model will adapt existing materials and/or develop new materials which increase awareness of sex bias and sex stereotyping in the classroom and develop assessment instruments and teaching aids which are free of sex bias and sex stereotyping. A pilot study will be conducted and appropriate revisions made. Facilitators will be trained during the first year of the project. Additional funding will be sought for a second year. During the second year, facilitators will conduct inservice meetings for all homemaking teachers in the state. Tentative plans include seeking third-year funding during which followup studies will be conducted.

**AR 78 0639**

**Perceived Importance of and Relative Time Spent on Tasks Performed by Secondary Cooperative Vocational Coordinators with Implications for Certification and Teacher Education.**
**Project Director:** Christiansen, James E.
**Organization:** Texas A&M Univ., College Station
**Address:** College Station, TX 77843
**Descriptors:** *Cooperative Education, Coordinators, *Program Evaluation, *Secondary School Teachers, *Task Analysis, *Teacher Certification, *Teacher Evaluation
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $30,996
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 78230027

This study is designed to measure the perceived importance of actual tasks performed and the relative time spent on tasks by cooperative vocational coordinators. Similarities between program areas will be examined with implications for curriculum development, certification requirements, inservice programs, and utilization of teacher aides. A list of suggested tasks will be developed and submitted to a qualified jury of vocational educators. The questionnaire will be developed using Melching and Borcher's procedural guides and analyzed by the CODAP program developed by Raymond Christal. The questionnaire will be administered at all cooperative vocational coordinators in attendance at annual summer workshops. Using CODAP, the tasks will be rank ordered and weighed according to relative time spent doing the tasks and examined for implications to curriculum development and utilization of teacher aides.

**AR 78 0640**

**Pilot Program to Test the Effectiveness of a Career Education Delivery System for Correctional Institutions.**
**Project Director:** Monroe, W. E.
**Organization:** Windham School District, Huntsville, Tex.
**Address:** Huntsville, TX
**Descriptors:** *Career Education, *Corrective Institutions, Curriculum Development, *Curriculum Evaluation, Delivery Systems, Instructional Materials, Pilot Projects, *Program Effectiveness, *Program Evaluation
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $29,520
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 78230031

The project will seek to test the effectiveness of a career education delivery system for correctional institutions. Procedures will be to (1) implement a previously developed career education delivery system for correctional institutions; (2) pilot test and evaluate a delivery system and associated curriculum materials; (3) revise curriculum materials as necessary; (4) prepare revised materials for publication; and (5) develop and publish final report.

**AR 78 0641**

**Pilot Project in Vocational Gemology.**
**Project Director:** Paddock, Orlando
**Organization:** Paris Junior Coll., Paris, Tex.
**Address:** Paris, TX 75460
**Descriptors:** Curriculum Development, Educational Needs, *Educational Programs, Instructional Materials, *Job Training, Pilot Projects, Program Evaluation, Skilled Occupations, *Technical Occupations
**Identifiers:** *Gemology
**Funding Period:** Start Date 15 Dec 77; End Date 30 Jun 78
**Fiscal Year Funding:** $70,347
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 78230188

The project intends to develop, on a pilot-project basis, a curriculum and training program in vocational gemology designed to prepare students for employment in the jewelry industry. Initially, 20 students will participate in the pilot project and will receive instruction six hours per day, five days per week, for approximately 13 weeks. Experimental instructional materials will be utilized, evaluated, and further developed to ensure that each student is adequately trained in the identification, grading, and appraisal of natural and synthetic gemstones. A fully developed and evaluated instructional program will be initiated for subsequent groups of students.

**AR 78 0642**

**Study to Develop Techniques and Procedures to Enable the Handicapped Student to Succeed in Community College Vocational Education Programs.**
**Project Director:** Clark, Donald L.
**Organization:** Texas A&M Univ., College Station, Tex.
**Address:** College Station, TX 77843
**Descriptors:** *Community Colleges, Educational Improvement, *Handicapped Students, *Mainstreaming, *Needs Assessment, Postsecondary Education, Program Development, Special Services, *Success Factors, *Technical Education
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $21,552
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 78230191

The project seeks to improve the quality of vocational/technical education for handicapped students in the community colleges in Texas by establishing criteria for the successful completion of the vocational/technical program and by identifying barriers (other than architectural) which inhibit enrollment or completion of such a program. State agencies would receive a report summarizing ways to remove these barriers, and administrators, counselors, and teachers, responsible for the student's education, would receive a guide which would help them improve vocational programs for handicapped students. Critical tasks needed to accommodate handicapped students will be identified by utilizing the Delphi Technique and a steering committee. Three recently enacted public laws will serve as references and for definitions of handicapping conditions: P.L. 94-482, P.L. 93-112, and P.L. 94-142. The study will enlist the assistance of persons who are knowledgeable in the field of vocational education for the handicapped at the community college level.

## Exemplary and Innovative (Sec. 132)

**AR 78 0643**

**Exemplary Program and Training System for Linking Vocational Education with CETA Youth Programs in Texas.**
**Project Director:** Abernathy, Lewis M.
**Organization:** North Texas State Univ., Denton
**Address:** Denton, TX 76202
**Descriptors:** Curriculum Development, *Delivery Systems, *Disadvantaged Youth, *Educational Programs, Information Dissemination, *Instructional Materials, *Program Coordination, Program Development, Program Evaluation, Seminars, Youth Programs
**Identifiers:** *Comprehensive Employment and Training Act
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 78
**Fiscal Year Funding:** $17,859
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 88230430

Key vocational educators and CETA youth program operators in three urban and two balance-of-state manpower programs in Texas will be selected to participate in designing a system to link vocational education with CETA services for disadvantaged youths aged 14-21. A training guide process model and curriculum materials will be developed and used in training seminars for drafting local implementation plans. The training guide, process model, and curriculum materials will be adaptable and transferrable state-wide to other vocational education and CETA youth programs with similar geographic and demographic characteristics. A final report, describing procedures and achievements, will be produced.

AR 78 0644

**Law Enforcement and Criminal Justice.**
**Project Director:** McLendon, B. L.
**Organization:** Houston Independent School District, Tex.
**Address:** Houston, TX 77027
**Descriptors:** *Criminal Law, *Instructional Materials, *Internship Programs, *Law Enforcement, *Public Service Occupations, Secondary Education, Skill Development, *Technical Education
**Funding Period:** Start Date 1 May 78; End Date 30 Jun 78
**Fiscal Year Funding:** $37,009
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 88230445

Instructional materials will be developed for a model program in law enforcement and criminal justice at the secondary level in Houston Independent School District. Students in grade 10 will explore the public service cluster with special emphasis on law enforcement and criminal justice procedures. Students in grade 11 will develop skills and attain technical knowledge prior to serving an internship during their senior year. A final report describing implementation procedures will be produced.

AR 78 0645

**Learning with Tools: An Occupational Orientation and Exploration Program for Handicapped Students in the Clusters of Construction Trades, Personal Services, and Transportation.**
**Project Director:** Burbank, C. R.
**Organization:** Meridian Independent School District, Tex.
**Address:** Meridian, TX 76665
**Descriptors:** Building Trades, Career Awareness, *Career Exploration, Curriculum Development, *Experiential Learning, *Handicapped Students, Human Services, Job Skills, *Mainstreaming, Occupational Guidance, *Occupational Information, Rural Areas, *Student Placement, Transportation, Vocational Interests
**Funding Period:** Start Date 28 Nov 77; End Date 30 Jun 78
**Fiscal Year Funding:** $50,752
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 88230246

This project will develop and test a model orientation and exploration program for handicapped students in the construction trades, personal services, and transportation clusters. The project will be suitable for replication in other rural and sparsely populated areas of the state. Specific project objectives are to develop a systematic approach for ascertaining the functional capacity of handicapped students to help them define and further investigate vocational objectives in one of the clusters, develop and field test a model curriculum which may be used for other occupational orientation and exploration programs for the handicapped, develop a list of occupations in each cluster in which handicapped persons can succeed, and provide occupational information and a list of employability skills required for occupations which students wish to investigate. The vocational and exploration program will comprehensively and systematically, using real and simulated work stations, assess vocational capabilities and interests of handicapped students. The work situation will be complemented and supported by medical, psychological, social, educational, and other tests and services deemed suitable for the students involved. These programs and services will be provided for students at Meridian, Hamilton, and Goldthwaite Independent School Districts. The information developed will assist local admission, review, and dismissal committees in placing handicapped students into vocational programs.

AR 78 0646

**Metrication as Applied to Building Trades in a Rural Area.**
**Project Director:** McKinnerney, Beryl
**Organization:** Ranger Junior Coll., Tex.
**Address:** Ranger, TX 76470
**Descriptors:** *Building Trades, *Carpenters, Instructional Programs, Junior Colleges, *Masonry, *Metric System, Nondiscriminatory Education, Postsecondary Education, Rural Education, *Rural Schools, Sex Stereotypes, *Student Recruitment
**Funding Period:** Start Date 1 Apr 78; End Date 30 Jun 78
**Fiscal Year Funding:** $13,775
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 88230348

A building trade program, incorporating specific instruction on uses of the metric system as it applies to carpentry and masonry, will be established at Ranger Junior College, a rural school. A recruiting system, free of sex bias, will also be developed. A final report, describing procedures and achievements, will be produced.

AR 78 0647

**Project to Improve Selection of Occupationally Competent Auto Mechanics and Building Trades Teachers.**
**Project Director:** Fisher, C. E.
**Organization:** Texas A and M Univ., College Station
**Address:** College Station, TX 77843
**Descriptors:** *Auto Mechanics (Occupation), *Building Trades, Effective Teaching, *Performance Tests, *Teacher Qualifications, Teacher Selection, Teaching Quality, Teaching Skills, *Test Construction, *Vocational Education Teachers
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $12,848
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 88230311

Outstanding auto mechanics and building trades teachers will be employed as consultants in developing performance and written tests to determine the competencies needed by auto mechanics and building trades teachers. The tests will be field tested and revised as necessary. A system will be developed for administering the tests which allows for prompt feedback. Three adequately equipped shops will be selected as pilot test sites and personnel will be selected and trained to administer the tests; the costs of administering the tests will be determined on an individual basis. Results of these tests will be made available through reports on individual persons' test scores and used to determine their qualifications to teach auto mechanics or building trades. A report, including copies of tests and other results, will provide information to be used to determine future directions in determining occupational competencies in auto mechanics, building trades, and other areas.

## Curriculum Development (Sec. 133)

AR 78 0648

**Curriculum Project for the Instructional Materials Center to Develop Distributive Education and Industrial Education Materials (Continuation).**
**Project Director:** Luter, Robert R.
**Organization:** Texas Univ., Austin
**Address:** Austin, TX
**Descriptors:** Adult Education Programs, Cooperative Programs, Curriculum Development, *Distributive Education, *Industrial Education, Information Dissemination, *Instructional Materials, *Instructional Materials Centers, *Marketing, *Material Development, Postsecondary Education, Secondary Education
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $162,234
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 88230166

General marketing curriculum instructional materials will be published in areas such as women's ready-to-wear, men's wear, advertising, and television service and repair. The instructional media center staff will assist the state staffs of distributive and industrial education in determining specific curriculum needs; research, develop, and disseminate these curriculum materials to secondary, postsecondary, and adult education programs in Texas, institutions in other states, private business and industry; continue to evaluate and modify all curriculum materials on the basis of age, changing technology and program needs; and continue to search for better methods of gathering information, verifying research data, and increasing the learning value of materials. Media staff will complete all projects begun prior to October 1, 1977; develop new curriculum titles not included on the present Texas Education Agency (TEA) publications list; revise instructional materials as specified by TEA; collect and catalog research materials; assist teachers and teacher educators in Texas when they request an explanation of curriculum development and uses of instructional materials; and provide consultation to TEA staff on matters of curriculum content, design, and methodology.

AR 78 0649

**Develop and Improve Curriculum and Instructional Materials for Adult Municipal and Industrial Extension Training.**
**Project Director:** Fisher, E. C.
**Organization:** Texas A and M Univ., College Station. Engineering Extension Service
**Address:** College Station, TX 77843
**Descriptors:** Adult Programs, Adult Vocational Education, Curriculum Development, *Extension Education, Industrial Education, *Industrial Personnel, *Industrial Training, *Instructional Materials, *Material Development, Waste Disposal
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78

**Fiscal Year Funding:** $14,289
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 88230184

The end products of this project will be instructional materials in the areas of electric lineperson, water and wastewater, building codes inspection, and construction equipment. To obtain the end products, project staff will (1) revise and update existing materials and develop new materials, (2) develop instructional materials for new and emerging programs for training municipal industrial adult personnel, (3) ensure uniformity of instruction delivered in the field to trainees, and (4) coordinate curriculum and instructional materials development for municipal and industrial extension programs with other instructional materials development efforts in order to avoid duplication. The revised or newly developed materials will be evaluated after use in the field and then revised as necessary. A full-time instructional materials specialist will assist division heads and staffs to determine needs, content, terminology, and format of instructional materials, and advisory committees will help determine content. Coordination will be maintained with the secondary vocational industrial materials center.

**AR 78 0650**

**Development of a Handbook for Programs in Vocational Education for the Handicapped.**
**Project Director:** Bell, Camille; Glossen, Linda
**Organization:** Texas Tech. Univ., Lubbock. Home Economics Instructional Materials Center
**Address:** Lubbock, TX
**Descriptors:** Agricultural Education, Distributive Education, *Educable Mentally Handicapped, Health Occupations, Homemaking Education, Industrial Arts, Industrial Education, Information Dissemination, Material Development, *Needs Assessment, Office Occupations, *Program Development, Secondary Education, *Staff Improvement, *Trainable Mentally Handicapped, *Vocational Education Teachers
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $38,373
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 88230167

This project represents a united effort by the seven secondary program areas (agriculture, office occupations, distributive education, health occupations, homemaking, industrial education, and industrial arts) to meet the specific needs of vocational teachers who either teach special vocational education for the handicapped (VEH) or have handicapped students enrolled in regular vocational programs. Specific objectives are to (1) review the literature, analyze current materials on working with educable and trainable mentally retarded (EMR and TMR) students enrolled in vocational education, and compile a bibliography of these materials for dissemination to vocational teachers; (2) conduct a survey to determine the types of information needed by new and experienced teachers in working with handicapped students in vocational education for the handicapped or regular programs; and (3) develop, evaluate, develop a plan for dissemination of, and disseminate a handbook to help teachers who work with EMR or TMR students achieve the necessary competencies. Resource persons and an advisory committee will help in developing and refining the handbook.

**AR 78 0651**

**Health Occupations Instructional Materials.**
**Project Director:** Hayes, John
**Organization:** East Texas State Univ., Commerce
**Address:** Commerce, TX
**Descriptors:** Advanced Programs, *Core Curriculum, Curriculum Development, *Health Occupations Education, Information Dissemination, *Instructional Materials, *Material Development
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $88,179
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 88230159

Instructional materials for a core curriculum in health occupations education and preliminary units of instruction for advanced health occupations education will be developed, field tested, revised, printed, and disseminated. The field tested materials will be distributed and explained to participating coordinators at local, area, and state meetings.

**AR 78 0652**

**Occupational Curriculum Development Laboratory (Continuation).**
**Project Director:** Hayes, John
**Organization:** East Texas State Univ., Commerce
**Address:** Commerce, TX
**Descriptors:** *Building Trades, *Commercial Art, Curriculum Development, *Educationally Disadvantaged, Information Dissemination, *Instructional Materials, Instructional Programs, Material Development, *Metal Working Occupations, *Office Occupations, Teacher Developed Materials
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $186,458
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 88230161

Successful Coordinated Vocational and Academic Education (CVAE) program teachers will draft units of instruction to be used in placing educationally disadvantaged students in general construction trades, cooperative part-time training, office duplication practice, general metal trades, and commercial display and decoration. A youth leadership handbook and materials for Texas vocational office career clubs also will be developed. Staff writers will refine and finalize the materials for field testing. After revision, materials will be disseminated at local, area, and state teacher workshops, and by mail.

**AR 78 0653**

**Operation of a Center for the Development of Home Economics Instructional Materials.**
**Project Director:** Bell, Camille
**Organization:** Texas Tech Univ., Lubbock. Coll. of Home Economics
**Address:** Lubbock, TX 79409
**Descriptors:** Adult Education, *Home Economics, Home Economics Teachers, Information Dissemination, Inservice Teacher Education, Instructional Materials, *Instructional Materials Centers, Manuals, *Occupational Home Economics, Program Guides, Publications
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $81,644
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 78230073

Operation of the Home Economics Instructional Materials Center will be expanded to meet the changing needs of vocational homemaking teachers and students in Texas. Center staff will continue developing an instructional guide for pre-employment laboratory education programs and revising "Consumer Education for Families with Limited Incomes." Staff will begin developing "Companion to the Elderly" and other materials for teachers of adults. Information about available materials will be disseminated, and inservice education will be provided to help teachers strengthen their programs and to determine teachers' additional needs.

**AR 78 0654**

**Vocational Instructional Services: An Instructional Materials Center for Agriculture Education.**
**Project Director:** Page, Foy
**Organization:** Texas A and M Univ., College Station
**Address:** College Station, TX 77843
**Descriptors:** *Agricultural Education, *Audiovisual Aids, Curriculum Development, Curriculum Evaluation, Information Dissemination, *Inservice Teacher Education, *Instructional Materials, *Instructional Materials Centers, Material Development, Teacher Developed Materials, *Vocational Agriculture
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $225,409
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 88230256

Instructional materials, including audiovisual aids, will be produced for vocational agriculture education. With the aid of the director and staff of the vocational agriculture education division of the Texas Education Agency (TEA), the areas for curriculum materials development will be established. Project staff and selected teachers will develop, produce, and disseminate curriculum materials in those areas; evaluate and revise the materials; and assist TEA in providing inservice education in the proper use of the materials. Factors in selecting areas for curriculum development will include the numbers of programs, teacher difficulty, and recent industry research and development. State advisory committees will assist in determining course content.

**AR 78 0655**

**Vocational Instructional Services: An Instructional Materials Center for Industrial Education.**
**Project Director:** Page, Foy
**Organization:** Texas A and M Univ., College Station
**Address:** College Station, TX 77843
**Descriptors:** *Audiovisual Aids, Curriculum Development, Curriculum Evaluation, *Industrial Education, Information Dissemination, *Inservice Teacher Education, *Instructional Materials, *Instructional Materials Centers, Material Development, Teacher Developed Materials
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $170,826
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 88230255

Instructional materials, including audiovisual aids, will be produced for industrial education. With the aid of the director and staff of the vocational industrial education division of the Texas Education Agency (TEA), the areas

for curriculum materials development will be established. Project staff and selected teachers will develop, produce, and disseminate curriculum materials in those areas; evaluate and revise the materials; and assist TEA in providing inservice education in the proper use of the materials. Factors in selecting areas for curriculum development will include the numbers of programs, teacher difficulty, and recent industry research and development. State advisory committees will assist in determining course content.

**AR 78 0656**

**Vocational Office Education (VOE) Curriculum Project–Phase III.**
**Project Director:** Hayes, John
**Organization:** East Texas State Univ., Commerce
**Address:** Commerce, TX
**Descriptors:** Advanced Students, *Cooperative Education, *Core Curriculum, *Individualized Instruction, Information Dissemination, Inservice Teacher Education, Instructional Materials, Material Development, *Office Occupations Education, *Performance Based Education, *Teaching Guides
**Funding Period:** Start Date 1 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $124,507
**Sponsoring Agency:** Texas Education Agency, Austin
**Contract and/or Control No.:** 88230160

Specialized units of instructional materials for cooperative or advanced vocational office students and an instructor's handbook will be developed and disseminated to selected teachers for field testing. The core curriculum will be revised as appropriate.

# VIRGINIA

## Research (Sec. 131)

**AR 78 0657**

**Assessing Employment Opportunities for Students Completing Vocational Education Programs.**
**Project Director:** Hart, Nancy K.
**Organization:** Lane County Intermediate Education District, Eugene, Oreg.
**Address:** 1200 Highway 99 North, Eugene, OR 97402
**Descriptors:** Educational Programs, *Employment Opportunities, *High School Graduates, *Information Centers, *Occupational Information, *Occupational Surveys, Secondary Education, Vocational Schools
**Funding Period:** Start Date 1 Jul 77; End Date 10 Jun 78
**Fiscal Year Funding:** $3,000 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Virginia State Board of Education, Richmond

The project's objective is to assess employment opportunities in Russell County and the surrounding area for students completing vocational education programs. The project director, in cooperation with the high school counselors and vocational teachers, will assess the employment opportunities in Russell County and the surrounding area for students completing vocational education programs. During the actual assessment, information will be gathered and will culminate in the establishment of occupational information centers which will contain informative material in the form of slides, files, brochures, and a notebook listing the names, addresses, and phone numbers of employers. These occupational information centers will be established in each of the three high schools and at the vocational center so that all students completing vocational programs will have access to the information.

**AR 78 0658**

**Assessing Employment Opportunities for Vocational Education Graduates in York County.**
**Project Director:** Ramsey, Rolene
**Organization:** York County Public Schools, Yorktown, Va.
**Address:** Yorktown, VA 23490
**Descriptors:** Data Collection, *Employment Opportunities, Guidance Programs, *High School Graduates, Job Placement, *Occupational Information, *Occupational Surveys, Secondary Education
**Funding Period:** Start Date 1 Jul 77; End Date 10 Jun 78
**Fiscal Year Funding:** $3,000 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Virginia State Board of Education, Richmond

This project is designed to assess the possible full-time employment opportunities for students who are completing vocational education programs in York County. Objectives are to (1) provide current, accurate, and local employment information to all York County public high school students; (2) provide the vocational education program in York County with additional input for curriculum development; and (3) provide the guidance departments and job placement department with additional information pertaining to labor market conditions and employment information. A list of employers to be surveyed will be developed from sources within the county. A survey form will be developed and administered to employers, using the cooperative education coordinators, job placement counselor, selected students, and community groups as interviewers. Data identifying places of employment for various occupations will be collected, processed, and placed in a computer system. The information gathered will be shared with appropriate agencies in the area.

**AR 78 0659**

**Follow-Up of Former Vocational Education Students and Those Who Have Employed Them.**
**Project Director:** Wooldridge, Robert W.
**Organization:** Norfolk Public Schools, Va.
**Address:** Norfolk, VA 23504
**Descriptors:** Curriculum Development, *Employer Attitudes, *Followup Studies, *Graduate Surveys, *High School Graduates, *Job Skills, *Program Evaluation, Questionnaires, Secondary Education, Summative Evaluation
**Funding Period:** Start Date 1 Jul 77; End Date 1 Jun 78
**Fiscal Year Funding:** $3,000 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Virginia State Board of Education, Richmond

This project proposes to create a process whereby students are given the opportunity to acquire marketable skills which will facilitate their entrance into the world of work and provide a means of securing a well-paying job. This is to be accomplished by sending out mail questionnaires to former students and employers so that the information can be disseminated among vocational educators locally and possibly statewide for use in curriculum enrichment and career counseling. Vocational educators will benefit from this information by using the data developed for curriculum development and career guidance. Current vocational education students will have a better idea of what to expect in the job market and area employers will have a chance to evaluate vocational products and processes. This process could possibly serve as a model to be adapted by other educational systems throughout the State of Virginia.

**AR 78 0660**

**Follow-Up Study of Former Vocational Student Completers and Early Leavers.**
**Project Director:** Underwood, Winston L.
**Organization:** Botetourt County Vocational Schools, Fincastle, Va.
**Address:** Fincastle, VA 24090
**Descriptors:** Curriculum Development, Data Collection, *Dropouts, *Followup Studies, *Graduate Surveys, *High School Graduates, Questionnaires, Secondary Education, Vocational Schools
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $3,000 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Virginia State Board of Education, Richmond

The followup report received from the Virginia Education Reporting System indicated that only 60 percent of the graduates and early leavers responded to a survey. The purpose of this project is to contact 90 percent of all graduates and those who left school early on the local level to improve upon present methods of followup and to gather significant information as a sounder basis for curriculum revision. Objectives are to (1) accurately determine whether or not graduates and early leavers are employed in a training-related field; (2) determine how graduates and those leaving school early obtained employment; (3) ascertain if the graduate students who left school early are satisfied with their present jobs; and (4) determine average pay scales for both early leavers and graduates. Followup of graduates will be implemented primarily through written correspondence and questionnaire. Personal contact, as well as contact with present and former employers, relatives, and friends will also be used. Data collected will be used to determine whether or not the student needed additional training, if the graduate or student who left early is/was satisfied in his/her present or former job and to determine an average pay scale for graduates and early leavers.

**AR 78 0661**

**Follow-Up Study of 1977 Graduates from the Newport News Public Schools.**
**Project Director:** Cummings, Paul
**Organization:** Newport News City Public Schools, Va.
**Address:** Newport News, VA
**Descriptors:** *Curriculum Development, *Followup Studies, *Graduate Surveys, *High School Graduates, *Industrial Arts, Needs Assessment, *Program Evaluation, Secondary Education, Student Needs
**Funding Period:** Start Date 1 Jul 77; End Date 10 Mar 78
**Fiscal Year Funding:** $2,195 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Virginia State Board of Education, Richmond

The project's purpose is to assess the needs of graduating students of Newport News school system and to provide guidance for upgrading and improving curriculum in the area of vocational education and industrial arts. Objectives are to (1) determine if the educational system is meeting the needs and requirements of high school students in the area of vocational education; (2) reevaluate the present vocational programs in the system; and (3) facilitate the implementation of new programs. A questionnaire will be developed and mailed to 1977 graduates of Newport News Public Schools. The data analysis will be presented in a percentage relationship with respect to the number of questionnaires returned. Tables and figures will be utilized in portraying results of the analysis.

## Exemplary and Innovative (Sec. 132)

**AR 78 0662**

**Vocational-Technical Education Consortium of States (V-TECS) and Vocational Education Management Systems (VEMS) Materials.**
**Project Director:** Vogler, Daniel E.
**Organization:** Virginia Polytechnic Inst. and State Univ., Blacksburg
**Address:** Blacksburg, VA 24001
**Descriptors:** Behavioral Objectives, *Catalogs, Criterion Referenced Tests, *Inservice Education, *Instructional Materials, *Management Information Systems, *Performance Based Education
**Identifiers:** *Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $52,840 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Virginia State Dept. of Education, Richmond

Twenty V-TECS catalogs of performance objectives, criterion-referenced measures, and performance guides, applicable to Virginia vocational education programs, will be printed. The catalogs, as well as user's manuals, procedural guides, and reports supporting the management information system, will be printed at the Virginia Polytechnic Institute and State University printing plant or as part of scheduled school or vocational center training programs. Competency-based instructional materials for possible use in Virginia will be sought and selected materials printed for vocational instructors. Additionally, forty copies of slide/tape sets and 4,000 copies of the "Participants Guide for Inservice Education" will be reproduced.

## Curriculum Development (Sec. 133)

**AR 78 0663**

**Business Education Curriculum Development.**
**Project Director:** Jorgensen, Carl E.
**Organization:** Business Education Service, Richmond, Va. Div. of Vocational Education
**Address:** Richmond, VA 23216
**Descriptors:** Behavioral Objectives, *Business Education, Cooperative Education, Course Content, Curriculum Development, Curriculum Guides, Data Processing Occupations, *Instructional Materials, Job Skills, *Needs Assessment, *Office Occupations Education, Performance Based Education, *Teaching Guides
**Identifiers:** Future Business Leaders of America
**Funding Period:** Start Date 3 Oct 77; End Date 30 Jun 78
**Fiscal Year Funding:** $7,190
**Sponsoring Agency:** Virginia State Dept. of Education, Richmond
**Contract and/or Control No.:** 7-77-78

Committees will be formed to assess curriculum needs and develop curriculum materials for office services, business data processing, and cooperative office education. Business and office education course outlines and a Future Business Leaders of America (FBLA) American Enterprise System teaching guide also will be developed. Individual members will develop and test materials in their school divisions before the respective committees review and organize the developed materials. Resulting publications will provide students with current instruction and a program based upon research in the business community. Specific objectives of student performance related to job and personal needs will be identified, and the development of job and personal employability skills will be emphasized.

**AR 78 0664**

**Development of a Competency-Based Instruction Curriculum Plan.**
**Project Director:** Ritz, John M.; Joyner, David I.
**Organization:** Old Dominion Univ. Research Foundation, Norfolk, Va.
**Address:** Norfolk, VA 23508
**Descriptors:** *Catalogs, Curriculum Development, *Curriculum Planning, *Industrial Arts, *Performance Based Education, *Performance Criteria
**Funding Period:** Start Date 1 Mar 78; End Date 26 Jun 78
**Fiscal Year Funding:** $5,007
**Sponsoring Agency:** Virginia State Dept. of Education, Richmond
**Contract and/or Control No.:** 9-77-78

A plan will be established for developing industrial arts criterion-referenced competencies which will serve as a basis for establishing catalogs of competencies for state-approved industrial arts courses. Committees will survey competency-based curriculum developed by other state and educational agencies, and materials will be assembled to train individuals who will develop catalogs of industrial arts competencies with criterion references for each of the courses in the Virginia industrial arts model plan. The resulting competency-based curriculum plan will specify exact procedures for compiling catalogs for industrial arts competencies with criterion references.

**AR 78 0665**

**Development of an Adult Distributive Education Mini-Course.**
**Project Director:** Reece, Barry L.
**Organization:** Virginia Polytechnic Inst. and State Univ., Blacksburg
**Address:** Blacksburg, VA 24061
**Descriptors:** *Adult Education, Audiovisual Aids, Curriculum Development, *Distributive Education, Information Dissemination, Inservice Teacher Education, *Performance Based Education, *Salesmanship, *Short Courses, Teaching Guides
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 78
**Fiscal Year Funding:** $3,000
**Sponsoring Agency:** Virginia State Dept. of Education, Richmond
**Contract and/or Control No.:** 14-77-78

A four- to six-hour, competency-based, adult sales training course will be developed to include an instructor's manual, audiovisual aids, handout materials, and promotional literature. An inservice training program also will be developed and made available to distributive education teachers wishing to teach the sales mini-course. Forty copies of the instructional package will be delivered to the state supervisor of distributive education for distribution to selected school divisions.

**AR 78 0666**

**Development of Competency-Based Competitive Events Materials.**
**Project Director:** Ely, Vivien K.
**Organization:** Virginia Commonwealth Univ., Richmond
**Address:** Room 2130, Oliver Hall, Richmond, VA
**Descriptors:** Audiotape Recordings, Cocurricular Activities, *Coordinators, Curriculum Development, *Orientation Materials, *Performance Based Education, Slides, Workshops
**Identifiers:** *Distributive Education Clubs of America
**Funding Period:** Start Date 15 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $10,737
**Sponsoring Agency:** Virginia State Dept. of Education, Richmond
**Contract and/or Control No.:** 2-77-78

Competency-based materials, student orientation materials, and a directory and calendar of events will be developed and reproduced to help distributive education students prepare for Distributive Education Clubs of America competitive events and to help coordinators make the events cocurricular. A one-week writers' workshop for coordinators will be conducted to develop competency-based materials for the revised competitive events.

**AR 78 0667**

**Development of Industrial Arts Support Materials for the State Department of Education.**
**Project Director:** Dugger, W. E.; Bame, E. A.
**Organization:** Virginia Polytechnic Inst. and State Univ., Blacksburg
**Address:** 368 Smyth Hall, Blacksburg, VA 24061
**Descriptors:** Conferences, Educational Specifications, *Facility Guidelines, *Facility Planning, *Industrial Arts, Material Development, Pamphlets, *Physical Design Needs, *School Planning, *Teacher Recruitment
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $4,076
**Sponsoring Agency:** Virginia State Department of Education, Richmond
**Contract and/or Control No.:** 8-77-78

Two publications will result from this project: a recruitment brochure which will attract prospective industrial arts (IA) teachers and an IA planning guide which will provide clearly identified facility recommendations. The Industrial Arts Education Service (IAES) will serve as a consultant to determine the appropriate content for the recruitment brochure. The facility planning guide, developed from plans and specifications given by IAES, will be presented to school planners and architects at a one-day conference with selected IA personnel.

**AR 78 0668**

**Development of Industrial Arts Support Materials for the State Department of Education.**
**Project Director:** Dugger, W. E.; Bame, E. A.
**Organization:** Virginia Polytechnic Inst. and State Univ., Blacksburg
**Address:** 368 Smyth Hall, Blacksburg, VA 24061
**Descriptors:** Curriculum Planning, *Facility Planning, *Industrial Arts Teachers, Pamphlets, *Teacher Recruitment
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $4,076
**Sponsoring Agency:** Virginia State Dept. of Education, Richmond

The Industrial Arts Education Service will act as a consultant in preparing a brochure to recruit industrial arts teachers and will provide the plans and specifications to be used in developing a facility planning guide. A one-day conference will be held to orient selected architects and school-building planners to the industrial arts curriculum and facility planning guidelines.

AR 78 0669

**Development of Inservice Workshops on Placement and Follow-Up Distributive Education Graduates.**

**Project Director:** Ely, Vivien K.
**Organization:** Virginia Commonwealth Univ., Richmond
**Address:** Room 2130, Oliver Hall, Richmond, VA
**Descriptors:** *Administrator Guides, *Coordinators, *Inservice Programs, Instructional Materials, *Job Placement, *Student Placement, *Vocational Followup
**Funding Period:** Start Date 1 Oct 77; End Date 31 Dec 77
**Fiscal Year Funding:** $2,482
**Sponsoring Agency:** Virginia State Dept. of Education, Richmond
**Contract and/or Control No.:** 4-77-78

Instructional materials will be developed for use in a series of inservice workshops to help coordinators and local supervisors conduct student follow-up surveys, place distributive education graduates, and place cooperative education students by U.S. Office of Education Codes. A consultant will develop a coordinator's guide for placing distributive education students, 750 copies of the guide will be reproduced, and remaining instructional materials for inservice workshops on placement and follow up will be developed.

AR 78 0670

**Development of the Industrial Arts Program of Studies and Services for Teachers of Industrial Arts in Virginia.**

**Project Director:** Van Dyke, Arvid
**Organization:** Virginia State Coll., Petersburg. Industrial Arts and Vocational Industrial Education
**Address:** Petersburg, VA 23803
**Descriptors:** Curriculum Development, Diffusion, *Industrial Arts, *Industrial Education, Information Dissemination, *Information Services, Material Development, Needs Assessment, Postsecondary Education, Program Development, *Resource Materials, Secondary Education
**Funding Period:** Start Date 31 Oct 77; End Date 10 Jan 78
**Fiscal Year Funding:** $10,185
**Sponsoring Agency:** Virginia State Board of Education, Richmond
**Contract and/or Control No.:** 12-77-78

Objectives are to (1) maintain a system for collecting, developing, and disseminating materials to assist statewide curriculum improvement activities; (2) prepare and publish a program of studies containing course descriptions, topical outlines, and course objectives for the Virginia model curriculum plan; (3) disseminate and coordinate use of materials, services, or workshops for teachers; and (4) provide research data and curriculum information for evaluation and future planning. The project will organize or develop materials necessary for a statewide system of curriculum improvement for Industrial Arts teachers. The curriculum is to be determined by the needs of teachers to implement the model plan for Industrial Arts in Virginia. Keeping resources up-to-date and available for curriculum improvement and accurate records will continue as functions resulting from the project.

AR 78 0671

**Development, Procurement, and Dissemination of Agricultural Education Instructional Materials.**

**Project Director:** Yoder, Ed
**Organization:** Virginia Polytechnic Inst. and State Univ., Blacksburg. Div. of Vocational-Technical Education
**Descriptors:** Adult Education, *Agricultural Education, Curriculum Development, Information Dissemination, *Instructional Materials, *Media Selection, Publications, Purchasing, Secondary Education, *Teacher Developed Materials, *Teacher Education, *Vocational Agriculture Teachers
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $10,000
**Sponsoring Agency:** Virginia State Dept. of Education, Richmond

College of Agriculture and Education faculty members will develop and publish twelve technical publications and six professional education publications; three technical agriculture publications will be purchased at a volume rate. The up-to-date curriculum materials will emphasize professional education aspects and reduce sex stereotyping to enable teachers to better serve students' needs at both the secondary and adult levels. All publications will be disseminated to Virginia Agricultural Education instructors at area meetings or at the Virginia Agricultural Education Teachers Conference.

AR 78 0672

**Edit and Reproduce Three Real Estate Courses for Adults.**

**Project Director:** Ely, Vivien K.
**Organization:** Virginia Commonwealth Univ., Richmond
**Address:** Room 2130, Oliver Hall, Richmond, VA
**Descriptors:** Adult Education, *Adult Education Programs, Curriculum Development, *Distributive Education, *Marketing, *Real Estate Occupations
**Funding Period:** Start Date 1 Oct 77; End Date 31 Dec 77
**Fiscal Year Funding:** $4,089
**Sponsoring Agency:** Virginia State Dept. of Education, Richmond
**Contract and/or Control No.:** 3-77-78

Three courses in real estate marketing, developed at Virginia Commonwealth University, will be edited for compliance with Title IX, made camera ready, and printed. The units in real estate sales, real estate listings, and residential finance will be used in adult distributive education courses by distributive education coordinators, adult specialists, and adult instructors. Five hundred copies of each unit will be distributed.

AR 78 0673

**Materials Development for Installation of Competency-Based Instruction in Distributive Education.**

**Project Director:** Ely, Vivien K.
**Organization:** Virginia Commonwealth Univ., Richmond
**Address:** 901 West Franklin Street, Richmond, VA 23284
**Descriptors:** Curriculum Development, Curriculum Evaluation, *Curriculum Guides, *Distributive Education, *Inservice Teacher Education, Instructor Coordinators, Material Development, *Performance Based Education, Resource Materials, Secondary Education, Teaching Guides, Workshops
**Funding Period:** Start Date 15 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $19,985
**Sponsoring Agency:** Virginia State Board of Education, Richmond
**Contract and/or Control No.:** 1-77-78

This project will develop curriculum and inservice education materials for installation of competency-based instruction (CBI) in distributive education high school programs. Procedures will include: (1) conducting a one-week workshop for distributive education (DE) coordinators; (2) previewing and evaluating commercial resource materials and audiovisual holdings in the State Bureau of Teaching Materials; (3) reproducing and distributing eight competency development guides; (4) field testing a competency developing guide; (5) developing and circulating three issues of a CBI Newsletter to all DE personnel; and (6) employing three consultants to plan and coordinate workshops.

AR 78 0674

**Proposal for Development of an Adult Distributive Education Mini-Course, 1977-78.**

**Project Director:** Reece, Barry L.
**Organization:** Virginia Polytechnic Inst. and State Univ., Blacksburg
**Address:** Blacksburg, VA 24061
**Descriptors:** Adult Education, Course Content, Curriculum Development, *Distributive Education, Formative Evaluation, Information Dissemination, Instructional Materials, *Learning Modules, Material Development, *Performance Based Education, *Salesmanship, Sales Occupations
**Funding Period:** Start Date 1 Mar 78; End Date 30 Jun 78
**Fiscal Year Funding:** $3,000
**Sponsoring Agency:** Virginia State Dept. of Education, Richmond
**Contract and/or Control No.:** 14-77-78

It is the purpose of this proposal to develop a four-to-six hour, competency-based adult sales training course. The topic of salesmanship was recommended by a committee of adult distributive education personnel representing all geographic areas of Virginia. The instructional materials will be developed by Dr. Barry L. Reece, working in cooperation with members of the Distributive Education Program Area staff and personnel in the VPI & SU Learning Resources Center. Forty copies of the instructional package will be disseminated to selected school divisions.

AR 78 0675

**Publication of an Industrial Arts Guide for Exploring Technology.**

**Project Director:** Dugger, W. E.; Bame, E. A.
**Organization:** Virginia Polytechnic Inst. and State Univ., Blacksburg. Industrial Arts Education
**Address:** 368 Smyth Hall, Blacksburg, VA 24061
**Descriptors:** *Course Content, Course Objectives, Course Organization, Curriculum Development, *Curriculum Guides, *Industrial Arts, *Industrial Education, *Instructional Materials
**Funding Period:** Start Date 1 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $5,620
**Sponsoring Agency:** Virginia State Board of Education, Richmond
**Contract and/or Control No.:** 10-77-78

The objectives are to (1) finalize materials developed by a curriculum committee for composition and artwork and publish the guide for application, inservice, and instructional use. The project will finalize the curriculum materials for the courses, Exploring Technology and Modern Industry and Technology. The research involves the assembling of materials to insure uniformity and standard format before composition is completed. Artwork may be necessary after some revision or for graphic presentation. The final document will be printed and collated for use and dissemination.

AR 78 0676

**Publications of Curriculum Materials for Trade and Industrial Health Occupations Education.**

**Project Director:** Duenk, Lester G.
**Organization:** Virginia Polytechnic Inst. and State Univ., Blacksburg
**Address:** 302 Lane Hall, Blacksburg, VA 24061
**Descriptors:** Curriculum Development, *Curriculum Guides, *Health Occupations Education, Information Dissemination, *Publications, *Trade and Industrial Education
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $7,612
**Sponsoring Agency:** Virginia State Dept. of Education, Richmond
**Contract and/or Control No.:** T&I 78-1

Four hundred copies each of six Virginia State Department of Education and Virginia Polytechnic Institute and State University (VPI&SU) curriculum guides will be reprinted by the VPI&SU printing service and prepared in loose-leaf fashion. The publications will be disseminated to new trade and industrial and health occupations teachers and others at the 1978 trade and industrial education health occupations conference. One hundred copies will be sent to the Virginia State Department of Education Public Information and Publications Office for out-of-state sale and distribution; the remaining publications will be delivered to the State Department of Education Trade and Industrial Education Service.

AR 78 0677

**Reproduce a Parliamentary Procedure Module.**

**Project Director:** Barnes, Michael
**Organization:** Virginia Commonwea[illegible]v., Richmond
**Address:** Room 4065, S. Oliver Hal[illegible]nd, VA
**Descriptors:** *Distributive Educ[illegible]earning Modules, *Orientation Materials, *Parliamentary Proc[illegible]
**Identifiers:** Distributive Educati[illegible]of America
**Funding Period:** Start Date 1 A[illegible]nd Date 1 Sep 78
**Fiscal Year Funding:** $3,404
**Sponsoring Agency:** Virginia St[illegible]Dept. of Education, Richmond
**Contract and/or Control No.:** 5-7[illegible]-78

Twenty-five hundred copies of a parliamentary procedure instructional module will be printed and delivered to the state supervisor of distributive education for use in orienting distributive education students to distributive education and to the Distributive Education Clubs of America.

AR 78 0678

**Simulation in Business and Office Education.**

**Project Director:** Lightner, Ardyce
**Organization:** Radford Coll., Va.
**Address:** Radford, VA 24141
**Descriptors:** *Business Education, Business Education Teachers, *Information Dissemination, *Office Occupations Education, *Simulation, *Teaching Guides, *Teaching Methods
**Funding Period:** Start Date 1 Apr 78; End Date 10 Jun 78
**Fiscal Year Funding:** $4,500
**Sponsoring Agency:** Virginia State Dept. of Education, Richmond
**Contract and/or Control No.:** 13-77-78

A guide will be published to assist business and office education instructors in selecting, using, developing, and evaluating simulations that involve student interaction, such as simulation games and model office simulations. A private firm will be selected to publish 3,500 guides.

AR 78 0679

**Workshop Leaders and Materials Development for "A World of Choice: Careers and You."**

**Project Director:** Ressler, Ralph
**Organization:** Virginia Polytechnic Inst. and State Univ., Blacksburg
**Address:** Blacksburg, VA 24061
**Descriptors:** Educational Programs, Information Dissemination, *Inservice Teacher Education, *Leadership Training, Program Development, Publicize, Teacher Certification, *Teacher Educator Education, *Teacher Workshops
**Funding Period:** Start Date 10 Feb 78; End Date 30 Jun 78
**Fiscal Year Funding:** $3,500
**Sponsoring Agency:** Virginia State Board of Education, Richmond
**Contract and/or Control No.:** 11-77-78

The purpose of the project is to (1) provide curriculum materials and supplies essential for accelerating the adoption and implementation of "A World of Choice: Careers and You" by local school divisions and (2) prepare a cadre of teacher/educators able to certify prospective teachers of the course. The project will seek to add impetus to adoption of the occupational orientation course through various public relations efforts. Main focus will be a training program for teacher educators to prepare them to lead orientation workshops for prospective teachers of the course. This decentralization will permit more efficient offering of such inservice training as needed on a regional basis.

# WASHINGTON

## Research (Sec. 131)

**AR 78 0680**

**Community College Vocational Instructor Education and Training Profile.**

**Project Director:** Zellers, Louis E.
**Organization:** Clark Coll., Vancouver, Wash.
**Address:** 1800 East McLoughlin Boulevard, Vancouver, WA 98663
**Descriptors:** *Community Colleges, Curriculum Development, *Followup Studies, *Inservice Teacher Education, Postsecondary Education, *Preservice Education, Teacher Education, *Teacher Education Curriculum, Vocational Education Teachers
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $1,192 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Washington State Commission for Vocational Education, Olympia. Research Coordinating Unit

The purpose of the project is to provide an information base related to preservice and inservice training for vocational instructors necessary to develop future training curriculum for vocational staff in Washington. Procedures will include: (1) analyzing voluntary responses received from vocationally certified administrators and instructional staff in the Washington State Vocational Community College system; (2) obtaining names and addresses of persons to be surveyed from the State Board for Community Colleges; (3) coordinating research efforts with a representative of the State Board of Community Colleges and the assistant director of vocational education; (4) using followup mailings and telephone calls to increase response rate; and (5) analyzing the data by computer at Clark College or another state agency.

**AR 78 0681**

**Development of a Solar-Related Vocational Training Curriculum.**

**Project Director:** Charles, John
**Organization:** Seattle OIC, Wash.
**Address:** 315 - 22nd Avenue, South, Seattle, WA 98144
**Descriptors:** Career Opportunities, Community Colleges, Curriculum Development, Data Analysis, Disadvantaged Youth, *Employment Opportunities, *Energy Conservation, Handicapped Students, *Manpower Needs, Postsecondary Education, Sex Fairness, *Solar Radiation, *Task Analysis, Vocational Training Centers
**Funding Period:** Start Date 15 Apr 78; End Date 30 Apr 79
**Fiscal Year Funding:** $13,678
**Sponsoring Agency:** Washington State Commission for Vocational Education, Olympia
**Contract and/or Control No.:** 78-AFK(138)NP

Solar-related occupations will be identified, task analyses conducted, and a vocational training curriculum developed which will dovetail with existing trades curricula; the solar-related curriculum will be easily upgraded and discipline oriented. Labor market analyses will be conducted. The curriculum will be reproduced and disseminated to other vocational training schools and community colleges.

**AR 78 0682**

**Development of a Strategy to Overcome Sex-Role Barriers in Vocational Education Programs.**

**Project Director:** Andrews, Mildred
**Organization:** Shoreline Community Coll., Seattle, Wash.
**Address:** 16101 Greenwood Avenue, North, Seattle, WA 98133
**Descriptors:** *Change Strategies, *Educational Programs, Educational Strategies, Graduate Surveys, *Nontraditional Occupations, *Program Development, *Sex Discrimination, Sex Stereotypes, Vocational Education Teachers, *Womens Studies
**Funding Period:** Start Date 11 Jul 77; End Date 30 Nov 77
**Fiscal Year Funding:** $2,000 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Washington State Commission for Vocational Education, Olympia. Research Coordinating Unit

The purpose of the project is to assess sex-role barriers affecting vocational education programs at the college and to devise strategies for overcoming them. In addition, a plan to increase female entry into nontraditional vocational areas will be researched, organized, and implemented. Procedures will include: (1) interviewing college vocational education instructors in various fields; (2) interviewing female students and graduates of nontraditional vocational programs and assessing their experiences in challenging sex-role barriers; (3) intergrating the findings of the survey into two current course offerings entitled "Women in the Professions" and "Directions for Women;" (4) maintaining contact using project director to serve as contact and resource person; and (5) doing a final evaluation of the project.

**AR 78 0683**

**Distributive Education Real Estate Curriculum Development Project.**

**Project Director:** Molitor, Patrick
**Organization:** Bellevue Public Schools, Wash.
**Address:** 310 - 102nd Avenue, NE, Bellevue, WA 98004
**Descriptors:** *Career Ladders, Curriculum Development, *Distributive Education, Instructional Materials, *Job Skills, *Learning Modules, *Real Estate Occupations, School Industry Relationship, Secondary Education, Teacher Developed Materials
**Funding Period:** Start Date 2 Apr 78; End Date 30 Apr 79
**Fiscal Year Funding:** $7,982
**Sponsoring Agency:** Washington State Commission for Vocational Education, Olympia
**Contract and/or Control No.:** 78-AFK(172)NC

A real estate curriculum complete with a career ladder, competencies for each level, and sample learning activity packages will be developed for secondary distributive education students. Advice and assistance will be given by real estate professionals concerning the preparation and testing of career ladders and competencies. Instructors from participating schools will advise and assist in developing the materials. The result will be outlines for a 180-hour real estate course and a twenty-hour distributive education real estate mini-unit based on industry-validated levels and competencies. A final report will be delivered.

**AR 78 0684**

**Perspectives of Local Advisory Committees of Vocational Education.**

**Project Director:** Syhlman, Bill
**Organization:** Eastern Washington State Coll., Cheney
**Address:** Cheney, WA 99004
**Descriptors:** *Advisory Committees, *Organizational Effectiveness, Postsecondary Education, *Program Attitudes, Questionnaires, *School Community Relationship, *School Industry Relationship, Secondary Education, State Surveys, *Use Studies
**Funding Period:** Start Date 1 Sep 77; End Date 31 Aug 78
**Fiscal Year Funding:** $1,195 (Charged to FY 1977)
**Note:** This project was funded under Part C, PL 90-576.
**Sponsoring Agency:** Washington State Commission for Vocational Education, Olympia. Research Coordinating Unit

The purpose of the project is to determine the perspectives of local advisory committee members towards vocational education. Specific objectives are to (1) determine how advisory committee members are utilized in local situations; (2) identify ways and means to more effectively use advisory committees; and (3) provide data to teacher education agencies and local vocational education administrators so they can design and implement more effective involvement of advisory committees. Procedures will include: (1) conducting an ERIC search and doing related research to determine previous efforts regarding the perspectives of advisory committees; (2) designing a research instrument which would be field tested with a select group of advisory committee persons; (3) sending the questionnaire to a random sample selected from state sources; (4) analyzing and interpreting data; and (5) disseminating the results.

**AR 78 0685**

**Understanding the Attitudes of Secondary School Principals and Superintendents in the State of Washington toward Vocational Education.**

**Project Director:** Schmidt, Roy; Stafford, David
**Organization:** Renton Vocational Technical Inst., Wash.
**Address:** 3000 NE Fourth Street, Renton, WA 98055

**Descriptors:** *Administrator Attitudes, *Changing Attitudes, Data Analysis, *Inductive Methods, Investigations, *Principals, *Question Answer Interviews, *Superintendents
**Funding Period:** Start Date 28 Feb 78; End Date 31 Mar 79
**Fiscal Year Funding:** $22,354
**Sponsoring Agency:** Washington State Commission for Vocational Education, Olympia
**Contract and/or Control No.:** 78-AFK(134)NP

Using an inductive interviews method and inductive analysis, an investigation of the attitudes of secondary school principals and school superintendents in Washington will be conducted. Attempts will be made to discover how individuals feel towards vocational education and which kinds of administrators hold certain attitudes. Hypotheses will be formed, reviewed, and analyzed as specific patterns develop over a series of interviews. Ultimately, understanding will improve, and more positive attitudes toward vocational education will be established. A final report will be delivered.

**AR 78 0686**

**Vocational Program Development in the Applied Sciences.**
**Project Director:** Adams, L. R.
**Organization:** Kennewick School District 17, Wash.
**Address:** 200 South Dayton, Kennewick, WA 99336
**Descriptors:** *Articulation (Program), Community Colleges, Curriculum Development, Interinstitutional Cooperation, Laboratories, *Mathematics Education, *Paraprofessional Personnel, *Performance Based Education, Postsecondary Education, Program Development, School Industry Relationship, *Science Education, Skills, Task Analysis, Vocational Training Centers
**Identifiers:** *Nuclear Energy Occupations
**Funding Period:** Start Date 15 May 78; End Date 15 Jul 79
**Fiscal Year Funding:** $8,100
**Sponsoring Agency:** Washington State Commission for Vocational Education, Olympia
**Contract and/or Control No.:** 78-AFK(135)NC

Articulated competency-based curriculum including science or mathematics education, a laboratory assistant training program for use at area vocational centers, and a nuclear technician program for use at community colleges will be developed. A project task force, consisting of mathematics and science representatives from eight high schools, community college personnel, counselors, and industry advisory committees, will conduct a task analysis of the occupations to determine the important competencies. A final report will be delivered.

## Exemplary and Innovative (Sec. 132)

**AR 78 0687**

**Advanced Placement Credit for Vocational Experience.**
**Project Director:** Jenkins, Hobart G.
**Organization:** Centralia Community Coll. District 12, Wash.
**Address:** P.O. Box 639, Centralia, WA 98531
**Descriptors:** *Advanced Placement Programs, *College Credits, Community Colleges, *Equivalency Tests, Guidelines, *Knowledge Level, Measurement Instruments, Pamphlets, Performance Tests, Student Evaluation, Student Testing, Test Construction
**Funding Period:** Start Date 15 Jun 78; End Date 1 Jul 79
**Fiscal Year Funding:** $11,700
**Sponsoring Agency:** Washington State Commission for Vocational Education, Olympia
**Contract and/or Control No.:** 78-AFL(136)NP

A set of documents will be produced to provide admissions personnel with assessment instruments to measure prior learning in twenty-five vocational subject areas and the number of credits that can be awarded for each successfully completed unit. Project staff will establish parameters for granting credit; subdivide each vocational area into its component courses or time segments; identify knowledge indicative of students' understanding of theory, applications, and technical aspects of the subject; and select test items and performance tests appropriate for each course or time segment. After finalizing the assessment system, a brochure for student use will be prepared and distributed. A final report will be delivered.

**AR 78 0688**

**Careers for Women in Science and Technology.**
**Project Director:** Colasurdo, Betty
**Organization:** Highline Community Coll., Midway, Wash.
**Address:** Midway, WA 98301
**Descriptors:** *Career Planning, Educational Opportunities, *Females, Job Placement, Material Development, Postsecondary Education, Resource Materials, Role Models, *Science Careers, Student Placement, *Student Recruitment, *Technical Occupations, Working Women
**Funding Period:** Start Date 30 Mar 78; End Date 30 Oct 78
**Fiscal Year Funding:** $11,911
**Sponsoring Agency:** Washington State Commission for Vocational Education, Olympia
**Contract and/or Control No.:** 78-AFL(137)NP

To encourage women to enter careers in science and technology, a career survey class and a placement service will be developed. Women successfully employed in science and technology will serve as role models. The local job market demand will be assessed, and resource files and a speaker's bureau will be developed.

**AR 78 0689**

**Fishing Industry Specialization.**
**Project Director:** Avery, Paul J.
**Organization:** LaConner School District 311, Wash.
**Address:** P.O. Box D, LaConner, WA 98572
**Descriptors:** Curriculum Development, *Delivery Systems, English Education, *Fisheries, *Job Skills, Mathematics Education, Multimedia Instruction, Secondary Education, *Work Experience Programs
**Funding Period:** Start Date 17 Mar 78; End Date 30 Jul 79
**Fiscal Year Funding:** $16,711
**Sponsoring Agency:** Washington State Commission for Vocational Education, Olympia
**Contract and/or Control No.:** 78-AFL(139)NC

A fishing industry work experience program curriculum and delivery system will be developed for use at the high school level. Science, mathematics, and English courses will be revised to teach skills and concepts which have immediate, practical application to the work experience. Multimedia presentations will be used to help students grasp concepts, principles, and technical content.

**AR 78 0690**

**Implementation of a Multi-Institutional Curriculum Articulation Model.**
**Project Director:** Suver, J. Allen
**Organization:** Bellevue Community Coll., Wash.
**Address:** Bellevue, WA 98007
**Descriptors:** Accounting, *Articulation (Program), *Business Education, Career Ladders, *Curriculum Development, Data Processing, Inservice Teacher Education, Job Skills, *Models, Performance Based Education, *Program Validation
**Funding Period:** Start Date 16 Aug 77; End Date 1 Oct 77
**Fiscal Year Funding:** $2,500 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Washington State Commission for Vocational Education, Olympia

The purpose of the project is to continue and expand the 1975-76 project, which established a workable process for curriculum development and articulation. This project seeks to involve a wider group of teachers and administrators in refining and documenting the process, and developing two new curricular areas, accounting and data processing, in business education. Procedures will include: (1) refining the process model used for establishing and validating career ladders and entry-level compentencies; (2) preparing career ladders and entry-level competencies in the two new areas; (3) developing model survey procedures and techniques for evaluating the validity of the career ladders and competencies for accounting, data processing, and secretarial curriculum areas with employers in the region; (4) developing and conducting inservice workshops for all business education teachers in participating institutions to prepare them to utilize career ladders and competencies in reviewing and updating existing curriculum areas for accounting, data processing, and secretarial science; (5) involving business and office instructional staff through large and small group sessions and workshops; and (6) using the assistance of a representative of the Bureau of School Service and Research to assist in the development of the validation model and procedures.

**AR 78 0691**

**Mobile Automatic Transmission Training Program.**
**Project Director:** Smith, Charles R.
**Organization:** Olympia Technical Community Coll., Wash.
**Address:** 2011 Mottman Road, SW, Olympia, WA 98502
**Descriptors:** *Auto Mechanics (Occupation), Community Colleges, Comprehensive Programs, Cost Effectiveness, Curriculum Development, Field Check, Handicapped, Inservice Education, *Interinstitutional Cooperation, *Mobile Classrooms, On the Job Training, Retraining, Sex Fairness, *Shared Facilities, Shared Services, Unemployed

**Identifiers:** *Transmissions (Automotive)
**Funding Period:** Start Date 5 Apr 78; End Date 15 Jan 79
**Fiscal Year Funding:** $22,620
**Sponsoring Agency:** Washington State Commission for Vocational Education, Olympia
**Contract and/or Control No.:** 78-AFL(133)NP

To supply comprehensive automatic transmission instruction to enhance existing auto mechanics programs at three community colleges, an existing mobile unit and additional equipment including transmission tester, engine, and related components will be shared among the three institutions. Following the pilot testing of the equipment on the Olympia Technical Community College campus, a schedule of equipment use for Lower Columbia, Grays Harbor, and Olympia Technical community colleges will be developed to include a minimum of one quarter of use per campus for each school year. Additionally, opportunities for specialist instruction will be provided to populations including apprentices, employed mechanics, out-of-school youth, handicapped individuals, adults unemployed or changing jobs, and women with mechanical aptitude. An upgraded and expanded curriculum and materials will be developed. Cost effectiveness of the program will be improved through cooperative sharing. An evaluation report will be delivered.

**AR 78 0692**

**Pilot Preparatory Program for Hearing Impaired Students.**
**Project Director:** Schroeder, Jim
**Organization:** Spokane Falls Community Coll., Wash.
**Address:** 3410 Fort George Wright Drive, West, Spokane, WA 99204
**Descriptors:** *Aurally Handicapped, Community Colleges, Guidance Counseling, *Handicapped Students, Hard of Hearing, *High School Students, Inservice Teacher Education, *Media Selection, Pilot Projects, Postsecondary Education, *School Orientation, Student Evaluation, *Student Needs
**Funding Period:** Start Date 1 Jul 77; End Date 31 Aug 78
**Fiscal Year Funding:** $1,987 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Washington State Commission for Vocational Education, Olympia. Research Coordinating Unit

The purpose of the project is to provide hearing impaired students with an orientation to the college and to give faculty and staff members an orientation to these students. Procedures will include: (1) studying the orientation programs of other institutions; (2) determining which aspects of these programs should be included in the design of the current project; (3) selecting inservice training material; (4) guiding prospective hearing impaired students through the orientation program; (5) holding mini workshops and conferences for faculty, staff, and administration to acquaint them with specific techniques which can be used in teaching hearing impaired students; (6) using an interpreter to work on selection of orientation materials; (7) testing students for evaluation and guidance purposes; and (8) evaluating the program and designing a regular orientation program for the hearing impaired.

**AR 78 0693**

**Women and Work Exposition.**
**Project Director:** Oxreider, Ann
**Organization:** Seattle Central Community Coll., Wash. Human Development Center
**Address:** 1705 Broadway, Seattle, WA 98122
**Descriptors:** *Career Opportunities, Community Colleges, Employment Counselors, *Expositions, *Females, *Nontraditional Occupations, Occupational Information, Postsecondary Education, *Program Development, Program Evaluation, *Student Recruitment, *Trade and Industrial Education
**Funding Period:** Start Date 1 Sep 77; End Date 30 Apr 78
**Fiscal Year Funding:** $2,000 (Charged to FY 1977)
**Note:** This project was funded under Part D, PL 90-576.
**Sponsoring Agency:** Washington State Commission for Vocational Education, Olympia. Research Coordinating Unit

The purpose of the project is to increase by 10 the number of women entering SCCC trades programs by designing and field testing a model for presenting Women and Work Expositions which focus on trade fields for women. Specific objectives will be to (1) meet special needs of low income female students and/or community members by providing them with accurate career information on fields which will allow them upward mobility and a secure job future; (2) help career counselors to update career resource information for students; and (3) produce a model for presenting women and work expositions. Procedures will include: (1) designing a Women and Work Exposition; (2) isolating each phase of the design process in order to record specific details concerning financing and budgeting, creating program format and evaluation, seeking co-sponsors, choosing a site, etc., in order to produce a replicable model of the entire process; (3) publicizing and presenting the exposition; (4) evaluating the individual component of the exposition; and (5) assessing the changes in women's enrollment in the SCCC trades program.

# WEST VIRGINIA

## Research (Sec. 131)

**AR 78 0694**

**Development of Procedures and Agreements which Enhance Student Articulation between Secondary and beyond Secondary Vocational Education Programs and between Public School and College Vocational Education Programs Offered beyond the Secondary Level.**

**Organization:** Fairmont State Coll., W. Va.
**Address:** Fairmont, WV 26554
**Descriptors:** *Articulation (Program), *Guidelines, *Interinstitutional Cooperation, *Postsecondary Education, *Program Development, *Secondary Education, Student Needs
**Funding Period:** Start Date 15 Jun 78; End Date 31 May 79
**Fiscal Year Funding:** $7,110
**Note:** This project also received $1,000 in state funds for FY 1979.
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-R-6

In order to develop a set of model policies, procedures, and agreements which will enhance student articulation between and among secondary and postsecondary vocational programs, project staff will address questions to personnel in Barbour, Harrison, Marion, Monongalia, Preston, and Taylor counties concerning student counseling and orientation, program admissions requirements, course substitutions between and among programs, grant-program graduate job placement, and follow-up.

**AR 78 0695**

**Development of Strategies for Improving Student Recruitment and Selection in Vocational Education.**

**Project Director:** Jacobs, Dan
**Organization:** Associated Educational Consultants, Inc., Pittsburgh, Pa.
**Address:** 9800 McKnight Road, Pittsburgh, PA 15237
**Descriptors:** *Continuation Education, *Guidelines, *Program Development, Secondary Education, *Sex Fairness, *Student Placement, *Student Recruitment
**Funding Period:** Start Date 15 Jun 78; End Date 31 Mar 79
**Fiscal Year Funding:** $33,238
**Note:** This project also received $11,689 in state funds for FY 1979.
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** 84

Computer and manual searches will be conducted to develop a set of sex-fair, bias-free guidelines to be used in developing a sequential and comprehensive vocational education recruitment program for students in grades 7-10 and for out-of-school persons who have completed grade 10. A questionnaire will be designed to obtain specific information regarding regular and mainstreamed populations.

**AR 78 0696**

**Development of Strategies for Providing Supportive Services to Qualified Handicapped and Disadvantaged Students which Will Enhance Their Success in Regular Vocational Education Programs.**

**Project Director:** Gorth, William
**Organization:** National Evaluation Systems, Inc., Amherst, Mass.
**Address:** 30 Gatehouse Road, Amherst, MA 01002
**Descriptors:** Academic Achievement, *Ancillary Services, *Disadvantaged Youth, Educational Assessment, *Educational Strategies, *Handicapped Students, Instructional Materials, *Mainstreaming, State of the Art Reviews, *Success Factors, Teaching Techniques
**Funding Period:** Start Date 25 Jun 78; End Date 10 Apr 79
**Fiscal Year Funding:** $20,420
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** 88

A set of guidelines to assist local school personnel in developing and implementing instructional strategies, tracking techniques, and curriculum materials will be developed in this project to enhance the quality of support services available to handicapped and disadvantaged students and to improve the degree of success these students can achieve in regular vocational education programs. An information search and a review of relevant ongoing projects in West Virginia will be conducted, and the collected data will be reviewed and critiqued by a task force selected by the West Virginia State Department of Education.

**AR 78 0697**

**Identification of New and Emerging Careers or Occupations in West Virginia and Determination of the Feasibility of Providing Vocational Education Programs.**

**Project Director:** Jacobs, Dan
**Organization:** Associated Educational Consultants, Inc., Pittsburg, Pa.
**Address:** 9800 McKnight Road, Pittsburgh, PA 15237
**Descriptors:** *Career Opportunities, Data Collection, Directories, *Educational Programs, Employment Opportunities, Energy, *Feasibility Studies, Health Occupations, Labor Supply, *Manpower Needs, Manufacturing, *Occupational Surveys, Public Service Occupations, Recreation, Tourism
**Identifiers:** *Emerging Occupations
**Funding Period:** Start Date 15 Jun 78; End Date 28 Feb 79
**Fiscal Year Funding:** $20,225
**Note:** This project also received $2,569 in state funds for FY 1979.
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** 83

New and emerging careers and occupations in the areas of energy production, distribution, and use; public service; health; manufacturing technology; and tourism and recreation will be identified and labor supply and demand data collected and compiled into a regional directory of vocational program offerings. Data will be collected through a survey mailed to 150 employers. Results of the data collection will provide information on areas needing vocational programs and the feasibility of offering them; this information will be included in a final report.

**AR 78 0698**

**Needs Assessment for Vocational Education.**

**Project Director:** Jacobs, Dan
**Organization:** Hancock County Schools, New Cumberland, W. Va.
**Address:** New Cumberland, WV
**Descriptors:** Curriculum Planning, *Educational Needs, *Educational Planning, *Employment Opportunities, *Employment Trends, Facility Planning, *Job Training, *Occupational Surveys, Retraining
**Funding Period:** Start Date 16 Nov 77; End Date 15 Jan 78
**Fiscal Year Funding:** $7,360 (Charged to FY 1977)
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-R-1

Existing occupations and occupational trends, employment opportunities in various occupations, program needs for upgrading or retraining present workers and for training potential workers, and levels of training necessary will be determined for planning vocational education facilities, curriculum, and personnel. All students in grades 9-11, a random sample of their parents, and identified employers in the county will be surveyed and the data analyzed. A final report will be delivered.

**AR 78 0699**

**Refinement of Instruments and Processes Used in Evaluating the Effectiveness of Prevocational Exploration Programs in West Virginia.**

**Project Director:** Harris, Everett
**Organization:** Marshall Univ., Huntington, W. Va. Dept. of Occupational, Adult, and Safety Education
**Address:** Huntington, WV 25701
**Descriptors:** *Career Exploration, *Evaluation Methods, *Followup Studies, *Guidelines, *Prevocational Education, *Program Effectiveness
**Funding Period:** Start Date 15 Jun 78; End Date 30 Jun 79
**Fiscal Year Funding:** $17,067
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-R-4

To provide efficient means for determining the effectiveness of comprehensive programs of prevocational exploration in West Virginia, project staff will refine instruments and processes and evaluate third year ninth grade programs; develop follow-up products and processes and evaluate programs; and use a task force for review and approval. A set of guidelines for conducting a follow-up study and a final project report will be produced.

## Exemplary and Innovative (Sec. 132)

**AR 78 0700**

**Coal Mine Training Coordination.**
**Project Director:** Hager, John H.
**Organization:** Logan County Board of Education, W. Va.
**Address:** Box 477, Logan WV 25601
**Descriptors:** *Coordinators, *Educational Programs, *Feasibility Studies, *Program Effectiveness
**Identifiers:** *Coal Mining Occupations
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $6,909
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-3

The feasibility of using a full-time coordinator for miner training programs in a vocational center will be demonstrated. The coordinator will publicize programs, supervise enrollment procedures, monitor programs, and follow up students for ten different coal mining related training programs in the Logan Vocational Center. The coordinator's effectiveness and the need for a coordinator in other locations will be determined. A final report will be delivered.

**AR 78 0701**

**Coordination of Postsecondary Education.**
**Project Director:** Rhodes, Charles
**Organization:** James Rumsey Vocational-Technical Center, Martinsburg, W. Va.
**Address:** Rt. 6, Box 268, Martinsburg, WV 25401
**Descriptors:** *Coordinators, Enrollment, *Material Development, Postsecondary Education, *Program Coordination, *Student Recruitment, *Technical Education, Technical Institutes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $20,031
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-6

Postsecondary vocational and technical programs will be coordinated and promoted at James Rumsey Vocational-Technical Center. A full-time coordinator will be employed and coordination activities and procedures developed. Materials also will be developed, and enrollment in postsecondary programs will be promoted.

**AR 78 0702**

**Non-Paid Work Experience.**
**Project Director:** Hammond, James D.
**Organization:** Webster County Schools, Upperglade, W. Va.
**Address:** Upperglade, WV 26266
**Descriptors:** *On the Job Training, *Program Development, Program Evaluation, *Student Placement, *Work Experience Programs
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $4,500
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-2

A placement and assistance program providing on-the-job experience will be conducted as a part of vocational education programs. Students will receive thirteen weeks of work experience related to their specific vocational areas. Transportation and insurance will be provided to participating students. Following program evaluation, guidelines for the implementation of similar programs in other areas will be established. A final report will be delivered.

**AR 78 0703**

**Public Relations in Vocational Education.**
**Project Director:** Bowling, Gene R.
**Organization:** Fayette County Schools, Fayetteville, W. Va.
**Address:** 111 Fayette Avenue, Fayetteville, WV 25840
**Descriptors:** Audiotape Recordings, *Information Dissemination, Mass Media, *Material Development, *Organizational Communication, Pamphlets, *Program Effectiveness, Publications, *Publicize, *Public Relations, Slides, Visual Aids
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $5,858 (Charged to FY 1977)
**Note:** This project also received $3,227 in local funds for FY 1978.
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-11

Media and materials will be developed to promote vocational education in the county. Materials will include slide/tape and other visual presentations; a brochure and other printed materials, and newspapers and other public media. The effectiveness of the organized program promotion will be demonstrated; a final report and copies of printed materials will be delivered.

**AR 78 0704**

**Public Relations in Vocational Education.**
**Project Director:** Rhodes, Charles I.
**Organization:** James Rumsey Vocational Technical Center, Martinsburg, W. Va.
**Address:** Rt. 6, Box 268, Martinsburg, WV 25401
**Descriptors:** Audiotape Recordings, *Information Dissemination, Mass Media, *Material Development, *Organizational Communication, Pamphlets, *Program Effectiveness, Publications, *Publicize, *Public Relations, Slides, Visual Aids
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $6,479 (Charged to FY 1977)
**Note:** This project also received $1,418 under Sec. 132 for FY 1978.
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-12

Media and materials will be developed to promote vocational education in the county. Materials will include slide/tape and other visual presentations, a brochure and other printed materials, and newspapers and other public media. The effectiveness of the organized program promotion will be demonstrated; a final report and copies of printed materials will be delivered.

**AR 78 0705**

**Public Relations in Vocational Education.**
**Project Director:** David, Dennis E.
**Organization:** Kanawha County Schools, Charleston, W. Va.
**Address:** 200 Elizabeth Street, Charleston, WV 25311
**Descriptors:** Audiotape Recordings, *Information Dissemination, Mass Media, *Material Development, *Organizational Communication, Pamphlets, *Program Effectiveness, Publications, *Publicize, *Public Relations, Slides, Visual Aids
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $7,800
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-13

Media and materials will be developed to promote vocational education in the county. Materials will include slide/tape and other visual presentations, a brochure and other printed materials, and newspapers and other public media. The effectiveness of the organized program promotion will be demonstrated; a final report and copies of printed materials will be delivered.

**AR 78 0706**

**Public Relations in Vocational Education.**
**Project Director:** Hager, John H.
**Organization:** Logan County Schools, W. Va.
**Address:** Box 477, Logan, WV 25601
**Descriptors:** Audiotape Recordings, *Information Dissemination, Mass Media, *Material Development, *Organizational Communication, Pamphlets, *Program Effectiveness, Publications, *Publicize, *Public Relations, Slides, Visual Aids
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $3,500
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-14

Media and materials will be developed to promote vocational education in the county. Materials will include slide/tape and other visual presentations, a brochure and other printed materials, and newspapers and other public media. The effectiveness of the organized program promotion will be demonstrated; a final report and copies of printed materials will be delivered.

**AR 78 0707**

**Public Relations in Vocational Education.**
**Project Director:** Quigley, Robert I.
**Organization:** Ohio County Schools, Wheeling, W. Va.
**Address:** RD 4, Box 1976, Wheeling, WV 26003
**Descriptors:** Audiotape Recordings, *Information Dissemination, Mass Media, *Material Development, *Organizational Communication, Pamphlets, *Program Effectiveness, Publications, *Publicize, *Public Relations, Slides, Visual Aids
**Funding Period:** Start Date 1 Sep 77; End Date 30 Jun 78
**Fiscal Year Funding:** $4,250 (Charged to FY 1977)
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-15

Media and materials will be developed to promote vocational education in the county. Materials will include slide/tape and other visual presentations, a brochure and other printed materials, and newspapers and other public media. The effectiveness of the organized program promotion will be demonstrated; a final report and copies of printed materials will be delivered.

**AR 78 0708**

**Public Relations in Vocational Education.**
**Project Director:** Fisher, Kenneth P.
**Organization:** PRT Vocational-Technical Center, St. Marys, W. Va.
**Address:** Rt. 2, Box 197, St. Marys, WV 26170
**Descriptors:** Audiotape Recordings, *Information Dissemination, Mass Media, *Material Development, *Organizational Communication, Pamphlets, *Program Effectiveness, Publications, *Publicize, *Public Relations, Slides, Visual Aids
**Funding Period:** Start Date 1 Sep 77; End Date 1 Aug 78
**Fiscal Year Funding:** $3,025 (Charged to FY 1977)
**Note:** This project also received $19 in local funds for FY 1978.
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-16

Media and materials will be developed to promote vocational education in the county. Materials will include slide/tape and other visual presentations, a brochure and other printed materials, and newspapers and other public media. The effectiveness of the organized program promotion will be demonstrated; a final report and copies of printed materials will be delivered.

**AR 78 0709**

**Public Relations in Vocational Education.**
**Project Director:** Sovine, James R.
**Organization:** Putnam County Vocational-Technical Center, Eleanor, W. Va.
**Address:** Rt. 62, Eleanor, WV 25070
**Descriptors:** Audiotape Recordings, *Information Dissemination, Mass Media, *Material Development, *Organizational Communication, Pamphlets, *Program Effectiveness, Publications, *Publicize, *Public Relations, Slides, Visual Aids
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $3,150
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-17

Media and materials will be developed to promote vocational education in the county. Materials will include slide/tape and other visual presentations, a brochure and other printed materials, and newspapers and other public media. The effectiveness of the organized program promotion will be demonstrated; a final report and copies of printed materials will be delivered.

**AR 78 0710**

**Public Service Occupations–Exploring Careers.**
**Project Director:** Pennington, Gilbert L.
**Organization:** Raleigh County Schools, Beckley, W. Va.
**Address:** 105 Adair Street, Beckley, WV 25801
**Descriptors:** *Behavior Standards, Career Awareness, *Career Exploration, Occupational Guidance, *Prevocational Education, *Public Service Occupations, *Simulation, Student Interests, Vocational Interests
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $40,509
**Note:** This project also received $11,398 in state funds for FY 1978.
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-5

A public service exploration will be developed and implemented in Raleigh County through a guidance and simulated-experience format. Students will be assisted in identifying public service occupations; relating their interests and aptitudes to public service occupations; becoming familiar with requirements, worker qualifications, and work settings related to public service occupations; and developing acceptable standards of behavior. Curriculum units will be produced.

**AR 78 0711**

**Training and Development Program for Out-of-School Youth.**
**Project Director:** Davis, Dennis
**Organization:** Kanawaha County Schools, Charleston, W. Va.
**Address:** 200 Elizabeth Street, Charleston, WV 25311
**Descriptors:** Academic Achievement, *Dropouts, Equivalency Tests, *High School Equivalency Programs, *Interpersonal Relationship, *Job Placement, *Potential Dropouts, Secondary Education, Skill Development, *Vocational Followup
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $9,338
**Note:** This project also received $3,113 in state and $31,634 in local funds for FY 1978.
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-4

A program will be provided wherein dropouts or potential dropouts may achieve academic success by obtaining the general education development program certificate or satisfying credit deficiencies for graduation. Qualified students will be identified and enrolled in a program which will develop an instructional environment conducive to learning by potential dropouts, assist students in developing academic skills and understanding social and economic systems, provide opportunities for learning a marketable skill, provide experiences in interpersonal relations and communications, and provide placement and follow-up services.

**AR 78 0712**

**Vocational Counseling Improved through Industrial Orientation.**
**Project Director:** Christopher, Janice
**Organization:** Berkeley County Schools, Martinsburg, W. Va.
**Address:** 401 S. Queen Street, Martinsburg, WV 25401
**Descriptors:** *Counselors, *Field Experience Programs, *Occupational Guidance, Occupational Information, *School Industry Relationship, *Staff Improvement, *Summer Workshops
**Funding Period:** Start Date 15 Jun 77; End Date 1 Jul 78
**Fiscal Year Funding:** $15,764
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-10

School counselors will be placed in a variety of local job settings over a six-week period in the summer to expand their knowledge and understanding of local businesses, industries, and occupations involved. Related workshops will be held to provide interaction. As a result, students served by the counselors will be provided with more relevant vocational guidance information.

**AR 78 0713**

**Vocational Exploration.**
**Project Director:** Sommer, A. E., Jr.
**Organization:** Mason County Schools, Pt. Pleasant, W. Va.
**Address:** Ohio River Road, Pt. Pleasant, WV 25550
**Descriptors:** *Career Exploration, *Discovery Learning, *Observational Learning, *Prevocational Education, *Program Development, Simulation, *Unit Plan
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $3,250
**Note:** This project also received $8,800 in state funds for FY 1978.
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-1

An occupational exploration program which uses the unit approach to interrelating school curriculum and prevocational exploration will be established. Pupils will visit the industrial occupation exploratory laboratory groups to observe occupations in manufacturing, construction, transportation, fine arts, and humanities. Prevocational exploration experiences, including the performance of simple tasks in simulated work environment using characteristic tools, materials, products, and procedures, will be provided. A final report will be delivered.

## Curriculum Development (Sec. 133)

**AR 78 0714**

**Competency-Based Education (CBE) Curriculum in Drafting: Structural Steel Detailing.**
**Project Director:** Swearingen, Charles
**Organization:** Nicholas County Vocational-Technical Center, Craigsville, W. Va.
**Address:** Craigsville, WV 26205
**Descriptors:** Building Trades, Curriculum Development, *Drafting, *Learning Activities, *Performance Based Education, *Task Analysis
**Funding Period:** Start Date 5 Jun 78; End Date 1 Sep 78
**Fiscal Year Funding:** $950
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** 55A

A CBE structural steel detailing curriculum in drafting including tasks, steps, learning activities, and standards will be developed for use across West Virginia and nationally.

**AR 78 0715**

**Competency-Based Education (CBE) Curriculum in Auto Parts–Phase I.**
**Project Director:** Russell, Roy
**Organization:** Garnet Career Center, Charleston, W. Va.
**Address:** Charleston, WV 25301
**Descriptors:** *Auto Mechanics, *Auto Parts Men, Curriculum Development, *Learning Activities, *Performance Based Education, *Task Analysis
**Funding Period:** Start Date 5 Jun 78; End Date 1 Sep 78
**Fiscal Year Funding:** $995

**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** 56A

Phase I of a CBE auto parts curriculum, including tasks, steps, learning activities, and standards, will be developed for use across West Virginia and nationally.

**AR 78 0716**

**Competency-Based Education (CBE) Electronics Revisions Evaluations.**
**Project Director:** Groves, Paul
**Organization:** James Rumsey Vocational-Technical Center, Martinsburg, W. Va.
**Address:** Martinsburg, WV
**Descriptors:** *Curriculum Evaluation, *Electronics, *Evaluation Methods, *Learning Modules, Material Development, *Performance Based Education
**Funding Period:** Start Date 1 Jan 78; End Date 30 Jun 78
**Fiscal Year Funding:** $409
**Note:** This project also received $409 in state funds for FY 1978.
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** 53A

Instruments to evaluate Blocks I and II of a revised CBE electronics modular curriculum will be developed and used. The completed written evaluation will accompany the curriculum.

**AR 78 0717**

**Competency-Based Education (CBE) Nursing Assistant Curriculum Revision.**
**Project Director:** Jacobs, Dan
**Organization:** Associated Educational Consultants, Pittsburgh, Pa.
**Address:** Pittsburg, PA
**Descriptors:** Curriculum Development, Curriculum Evaluation, *Health Occupations Education, *Performance Based Education, State Curriculum Guides, Surveys, *Teaching Guides
**Identifiers:** Open Entry Open Exit
**Funding Period:** Start Date 15 Feb 78; End Date 30 Nov 78
**Fiscal Year Funding:** $7,890
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** 45-A

The purpose of the project is to revalidate the competencies for the West Virginia CBE Nursing Assistant Curriculum and revise the curriculum. The competencies will be revalidated using a survey to incumbents and supervisors. The curriculum will be revised by curriculum writers and consultants based on teacher data and the Vocational-Technical Education Consortium of States (V-TECS) catalog on Nursing Aide. The outcome of the project will be a CBE Nursing Assistant curriculum and teachers guide.

**AR 78 0718**

**Development of a Competency-Based Education (CBE) Autobody Curriculum.**
**Project Director:** Cain, Bob
**Organization:** RCA Service Co., Camden, N. J.
**Address:** Camden, NJ
**Descriptors:** *Auto Body Repairmen, Behavioral Objectives, Criterion Referenced Tests, Curriculum Development, Learning Activities, *Performance Based Education, State Curriculum Guides, Surveys, *Teaching Guides, Trade and Industrial Education
**Funding Period:** Start Date 15 Feb 78; End Date 30 Sep 78
**Fiscal Year Funding:** $9,691
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** 49-A

Purpose of the project is to develop and deliver a West Virginia CBE Autobody Curriculum. A survey of teachers, supervisors/employers, and practitioners will be used to validate the competencies. Based on the competencies, performance objectives/criterion referenced measures, performance guides, and learning activities will be written into a student curriculum. A teachers guide will also be developed.

**AR 78 0719**

**Development of a Competency-Based Education (CBE) Diversified Cooperative Training Curriculum.**
**Project Director:** Ruminski, Stanley
**Organization:** Ohio County Board of Education, Wheeling, W. Va.
**Address:** Wheeling, WV
**Descriptors:** Behavioral Objectives, *Cooperative Education, Cooperative Programs, Criterion Referenced Tests, Curriculum Development, Learning Activities, *Performance Based Education, State Curriculum Guides, Surveys, *Teaching Guides
**Funding Period:** Start Date 1 Jun 78; End Date 30 Dec 78
**Fiscal Year Funding:** $8,940
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** 51-A

The project will develop a West Virginia CBE Diversified Cooperative Training (DCT) Curriculum and a teacher's guide. A survey of teachers, supervisors/employers, and practitioners will be used to validate the competencies. Based on the competencies, performance objectives/criterion referenced measures, performance guides, and learning activities will be written into a student curriculum.

**AR 78 0720**

**Development of a Competency-Based Education (CBE) Floriculture Curriculum.**
**Project Director:** Jacobs, Dan
**Organization:** Associated Educational Consultants, Pittsburgh, Pa.
**Address:** Pittsburgh, PA
**Descriptors:** Behavioral Objectives, Criterion Referenced Tests, Curriculum Development, *Floriculture, Learning Activities, *Ornamental Horticulture Occupations, *Performance Based Education, State Curriculum Guides, Surveys, *Teaching Guides
**Funding Period:** Start Date 1 Jun 78; End Date 30 Dec 78
**Fiscal Year Funding:** $9,785
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** 50-A

A West Virginia CBE Floriculture Curriculum and teachers guide will be developed in this project. A survey of teachers, supervisors/employers and practitioners will be used to validate the competencies. Based on the competencies, performance objectives/criterion referenced measures, performance guides, and learning activities will be written into a student curriculum. This CBE curriculum will be used across West Virginia and distributed nationally.

**AR 78 0721**

**Development of a Competency-Based Education (CBE) Legal Secretary Curriculum.**
**Project Director:** Cain, Bob
**Organization:** RCA Service Co., Camden, N. J.
**Address:** Camden, NJ
**Descriptors:** Behavioral Objectives, Clerical Occupations, Clerical Workers, Criterion Referenced Tests, Curriculum Development, Learning Activities, Office Occupations Education, *Performance Based Education, *Secretaries, State Curriculum Guides, Surveys, *Teaching Guides
**Funding Period:** Start Date 15 Feb 78; End Date 30 Sep 78
**Fiscal Year Funding:** $9,677
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** 48-A

Purpose of the project is to develop and deliver a West Virginia CBE Legal Secretary Curriculum and teachers guide. A survey of teachers, supervisors/employers, and practitioners will be used to validate the competencies. Based on the competencies, performance objectives/criterion referenced measures, performance guides, and learning activities will be written into a student curriculum.

**AR 78 0722**

**Development of a Competency-Based Education (CBE) Licensed Practical Nurse (LPN) Curriculum.**
**Project Director:** Jacobs, Dan
**Organization:** Associated Educational Consultants, Pittsburgh, Pa.
**Address:** Pittsburgh, PA
**Descriptors:** Behavioral Objectives, Behavior Standards, Criterion Referenced Tests, Curriculum Development, *Job Skills, *Learning Activities, *Performance Based Education, *Practical Nurses, *Teaching Guides
**Funding Period:** Start Date 15 Feb 78; End Date 30 Nov 78
**Fiscal Year Funding:** $8,925
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** BVTAE-76-WV-78-C-3

A competency-based education curriculum in licensed practical nursing will be developed for use in West Virginia. Teachers, supervisors, employers, and practitioners will be surveyed to validate the competencies which, with performance objectives, criterion-referenced measures, performance guides, and learning activities, will be written into a student curriculum. A teacher's guide also will be developed. The curriculum will be distributed nationally.

**AR 78 0723**

**Development of a Competency-Based Education (CBE) Tractor Mechanic Curriculum.**

**Project Director:** Silletto, Tom
**Organization:** Virginia Polytechnic Inst. and State Univ., Blacksburg
**Address:** Blacksburg, VA 24061
**Descriptors:** Behavioral Objectives, Criterion Referenced Tests, Curriculum Development, *Farm Mechanics (Occupation), Learning Activities, *Performance Based Education, State Curriculum Guides, Surveys, *Teaching Guides
**Funding Period:** Start Date 15 Feb 78; End Date 30 Sep 78
**Fiscal Year Funding:** $9,741
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** 44-A

The project seeks to develop a West Virginia CBE Tractor Mechanic Curriculum. A survey of teachers, supervisors/employers, and practitioners will be used to validate the competencies. Based on the competencies, performance objectives/criterion referenced measures, performance guides and learning activities will be written into a student curriculum. A teachers guide will also be developed. A CBE Tractor Mechanic curriculum and teachers guide will be delivered.

**AR 78 0724**

**Development of a Competency-Based Education (CBE) Welding Curriculum.**
**Project Director:** Jacobs, Dan
**Organization:** Associated Educational Consultants, Pittsburgh, Pa.
**Address:** Pittsburgh, PA
**Descriptors:** Behavioral Objectives, Criterion Referenced Tests, Curriculum Development, Learning Activities, Performance, *Performance Based Education, State Curriculum Guides, Surveys, *Teaching Guides, Trade and Industrial Education, Welders, *Welding
**Funding Period:** Start Date 15 Feb 78; End Date 30 Nov 78
**Fiscal Year Funding:** $9,058
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** 46-A

Purpose of the project is to develop and deliver a West Virginia CBE Welding Curriculum and teachers guide. A survey of teachers, supervisors/employers, and practitioners will be used to validate the competencies. Based on the competencies, performance objectives/criterion referenced measures, performance guides, and learning activities will be written into a student curriculum.

**AR 78 0725**

**Field Test and Demonstration Services for Competency-Based Emergency Medical Technical Curriculum.**
**Project Director:** Spotts, Sue Ann
**Organization:** Mineral County Vocational-Technical Center, Keyser, W. Va.
**Address:** P.O. Box 848, Keyser, WV 26726
**Descriptors:** Curriculum Development, Curriculum Evaluation, *Emergency Squad Personnel, *Field Studies, *Information Dissemination, *Performance Based Education, Teacher Workshops
**Funding Period:** Start Date 15 Jun 78; End Date 31 May 79
**Fiscal Year Funding:** $22,268
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** WV-78-E-7

An existing emergency medical technical (EMT) curriculum will be implemented, evaluated, and revised in this project. Project staff will conduct field tests to determine areas of curricular or management weakness of the curriculum and a dissemintion workshop for twenty-five state EMT instructors on using the final curriculum.

**AR 78 0726**

**Reproduction of Competency-Based Education (CBE) Curriculum and Repair of Consumable Components of Reference Equipment.**
**Project Director:** Dolan, Jimmy
**Organization:** Boone County Vocational-Technical Center, Madison, W. Va.
**Address:** Madison, WV
**Descriptors:** *Equipment Maintenance, *Library Equipment, *Performance Based Education, *Resource Materials
**Funding Period:** Start Date 1 Mar 78; End Date 1 May 78
**Fiscal Year Funding:** $800
**Note:** This project also received $800 in state funds for FY 1978.
**Sponsoring Agency:** West Virginia State Dept. of Education, Charleston
**Contract and/or Control No.:** 51A

Vocational technical center personnel will reproduce one copy of competency-based materials for the state laboratory and repair reference equipment.

# WISCONSIN

## Research (Sec. 131)

**AR 78 0727**

**Center for Vocational, Technical, and Adult Education.**
**Project Director:** Nelson, Orville
**Organization:** Wisconsin Univ. - Stout, Menomonie
**Address:** Menomonie, WI 54751
**Descriptors:** College Cooperation, *Educational Resources, *Information Dissemination, *Needs Assessment, Program Development, Program Evaluation, *Vocational Education Teachers, Vocational Training Centers
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $50,000
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 30-040-150-318

After the needs of vocational educators have been identified, resources of the University of Wisconsin-Stout and other resources will be collected, housed at the Center for Vocational, Technical, and Adult Education on the UW-Stout campus, and used to solve the identified needs in the areas of research, professional development, evaluation, and dissemination. An advisory committee will assist in identifying needs and setting priorities. A final report will be produced.

**AR 78 0728**

**Cost Benefit Study.**
**Project Director:** Weiner, Art E.
**Organization:** Moraine Park Technical Inst., Fond du Lac, Wis.
**Address:** 235 North National Avenue, Fond du Lac, WI 54935
**Descriptors:** *Attitude Tests, *Cost Effectiveness, Data Collection, *Educational Benefits, Expenditure Per Student, *Measurement Instruments, *Models, Postsecondary Education, *Student Costs, Technical Institutes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $6,050
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 10-029-150-318

This project will (1) refine formulas for cost determination (instructional costs of presentation of knowledge and student cost in acquiring knowledge); (2) refine instruments for collecting non-economic benefits; (3) incorporate non-economics costs and benefits into cost-effectiveness formulas; and (4) develop a list of data needed for the Cost Benefit Model not now provided for in the State MIS System. Procedures will be to (1) categorize all variables involved in determining costs and benefits; (2) expand the list of non-economic benefits; (3) refine the present Cost Benefit Model in the area of social and private non-economic benefits; (4) develop and test an instrument for evaluating student attitudes toward self, toward education, and toward their job; and (5) test the revised Cost Benefit Model with selected courses and programs providing the greatest number of variables.

**AR 78 0729**

**Graduate Student Research Grants.**
**Project Director:** Nelson, Orville
**Organization:** Wisconsin Univ. - Stout, Menomonie
**Address:** Menomonie, WI 54751
**Descriptors:** *Educational Research, *Graduate Students, Information Dissemination, *Research Design, *Research Problems, *Research Skills, *Skill Development
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $6,000
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 30-041-150-318

To gain research competencies, graduate students will write research proposals focused on problems relevant to the state vocational, technical, and adult education system. Approved proposals will be completed by the graduate student authors under the supervision of advisors, the project director, and state board staff, as appropriate. The graduate students will develop the research skills required to design and carry out a small research project, identify effective dissemination techniques, isolate the critical skills required to design and complete a research project, and develop positive attitudes toward research. In addition, the degree to which graduate students can conduct research for the vocational, technical, and adult education system will be determined.

## Exemplary and Innovative (Sec. 132)

**AR 78 0730**

**Educational Television Programming.**
**Project Director:** Zenor, Clifford
**Organization:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Address:** Madison, WI 53702
**Descriptors:** Adult Education, *Educational Alternatives, *Educational Television, *Outreach Programs, *Programing (Broadcast), Regional Programs, Technical Education
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $5,775
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 19-023-150-318

The objective of this project is to provide vocational-technical educational television programming as an alternative method of teaching vocational subjects in outreach areas. One program for first semester and two programs for second semester will be rented for viewing by way of the educational television networks in sixteen VTAE districts.

**AR 78 0731**

**Opportunities through Education–1978 Edition.**
**Project Director:** Celley, Lorran
**Organization:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Address:** Madison, WI
**Descriptors:** *Educational Opportunities, *Educational Programs, *Information Dissemination, *Postsecondary Education, *Program Descriptions
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $4,400
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 19-025-150-318

Project objectives are to tabulate vocational education programs by VTAE district and increase awareness of postsecondary vocational programs to secondary students. A booklet entitled "Opportunities Through Education–1978" will be developed and disseminated to local education agencies, counselors, etc.

**AR 78 0732**

**Services to the American Indian Population to Bridge the Gap between Education, Culture, and the World of Work.**
**Project Director:** Sabota, Rober
**Organization:** Nicolet Coll. and Technical Inst., Rhinelander, Wis.
**Address:** Box 518, Rhinelander, WI 54501
**Descriptors:** *American Indians, *Career Education, *Counseling Services, *Cultural Awareness, *Educational Needs, Employment Opportunities, Information Dissemination, Occupational Aspiration, *Occupational Guidance, Postsecondary Education, Student Needs, Technical Institutes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $12,404
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 16-061-150-318

Objectives are to (1) familiarize American Indian Youth with a broad range of relevant occupations; (2) familiarize American Indian youth with a spectrum of educational and training opportunities; (3) provide intensive occupational guidance and counseling to improve self-awareness, career awareness, and information regarding the world of work; (4) upgrade the VTAE supportive services, understandings of, and commitment to serving American Indians; (5) continue to sensitize VTAE staff to Wisconsin American Indian culture, aspirations, goals, and needs; (6) develop or obtain appropriate instructional and supportive services materials, modules, and packages for counseling, career

education, recruiting assessment, and orientation; and (7) continue to develop, field test, and refine an operational model. The objectives will be accomplished through the continued use of an advisory committee and the continued employment of a one half-time project director and one half-time Program Advisor in the Nicolet District and one full-time Program Advisor for each of the remaining two Districts.

**AR 78 0733**

**Strengthening Career Awareness through Personal Peer Interaction.**
**Project Director:** Campbell, William
**Organization:** Western Wisconsin Technical Inst., La Crosse
**Address:** 6th and Vine Streets, La Crosse, WI 54601
**Descriptors:** *Career Education, *Group Counseling, High School Students, *Occupational Information, *Peer Groups, Senior High Schools, *Seniors, Student Attitudes, Technical Institutes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $8,574
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 02-008-150-318

The project will (1) expose 500 high school seniors, who have made no commitment towards their education or career objectives, to the diversified opportunities available to them; (2) provide a program of career exploration for high school seniors, who have made no career or educational commitment, to reinforce a positive reaction towards education and/or a career; and (3) inform these students of the training requirements for a chosen career. Approximately 500 high school seniors (identified as not having made career plans) will be brought to the Technical Institute for exploring diversified careers. Approximately 100 students will participate in each of the five one-day experiences. The career exploration program at the Institute will provide indepth information, group counseling, and classroom visitation so the high school student can make approximate connections between a career choice and the associated training requirements. The student hosts participating from the Institute will be screened as to interests and abilities for appropriately relating to the high school students.

**AR 78 0734**

**Wisconsin Occupational Information System.**
**Project Director:** Lambert, Roger H.
**Organization:** Wisconsin Univ., Madison. Vocational Studies Center
**Address:** 500 Lincoln Drive, Madison, WI 53706
**Descriptors:** Career Choice, Career Education, Career Opportunities, *Data Bases, Demand Occupations, *Educational Opportunities, Educational Planning, *Employment Opportunities, *Information Dissemination, *Information Systems, *Occupational Information
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $37,500
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical and Adult Education, Madison
**Contract and/or Control No.:** 20-005-150-318

The project will (1) help persons learn about and understand the range of careers now available and likely to be available in the future; (2) help labor force entrants become aware of occupations which are acceptable and personally satisfying; (3) encourage persons in the process of making career decisions to explore vocational possibilities on their own; (4) increase awareness of major sources of occupational information; and (5) provide support for related programs including career education, career and employment counseling, and manpower and educational planning. The Wisconsin Occupational Information System (WOIS) maintains contracts for distribution of the data base with six computer centers in the state. Each site is committed to keeping the software operable throughout the computing day and providing inservice and marketing to users in coordination with the WOIS User Services Specialists. Through the combined efforts of these computer centers and WOIS, monthly logs of use are maintained which demonstrate in summary form the amount of time spent by each user site using the system. Products to be delivered include: occupational information; reference to military occupations; education and training file; career resources file; scholarship and financial aids file; SORT file; and hard copy backup-needle sort.

## Curriculum Development (Sec. 133)

**AR 78 0735**

**Articulation of Introductory Business Competencies.**
**Project Director:** Millard, Tom
**Organization:** Waukesha County Technical Inst., Pewaukee, Wis.
**Address:** Pewaukee, WI
**Descriptors:** *Articulation (Program), *Business Education, *Business Skills, *College High School Cooperation, Cooperative Programs, *Performance Based Education, Postsecondary Education, Secondary Education, *Teacher Workshops, Technical Institutes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $2,966
**Sponsoring Agency:** Wisconsin State Board of Vocational Technical, and Adult Education, Madison
**Contract and/or Control No.:** 08-037-150-318

Project objectives are to update introductory business education curriculum in high schools and WCTI; improve cooperative relationships between WCTI and high schools; and increase understanding of competency-based instruction in business education. Joint secondary-postsecondary staff workshops will be conducted to review competency lists and discuss offerings at various high schools.

**AR 78 0736**

**Competency-Based, Multi-Curriculum Development.**
**Project Director:** Paulsen, Russell
**Organization:** North Central Technical Inst., Wausau, Wis.
**Address:** Wausau, WI
**Descriptors:** *Auto Mechanics (Occupation), Curriculum Development, *Electronics, *Individualized Instruction, *Performance Based Education, Postsecondary Education, *Printing, Relevance (Education), Technical Institutes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $8,000
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 15-302-150-318

Project objectives are to (1) update the present electronics curriculum by incorporating a competency-based delivery system; (2) modify present automotive technology program to a two-year diploma program incorporating a competency-based delivery system; and (3) update present printing curriculum incorporating a competency-based delivery system. Objectives will be accomplished through use of ad hoc task forces in each program area working with the supervisors and instructors in each department.

**AR 78 0737**

**Developing Individualized Curriculum Materials at Fox Valley Technical Institute.**
**Project Director:** Spanbauer, Stanley
**Organization:** Fox Valley Technical Inst., Appleton, Wis.
**Address:** 1825 North Bluemound Drive, Appleton, WI 54911
**Descriptors:** Curriculum Development, *Educational Alternatives, *Individualized Instruction, *Instructional Materials, Postsecondary Education, *Program Development, Program Evaluation, *Teacher Developed Materials, *Teacher Motivation, Technical Institutes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $10,360
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 12-345-150-318

The project proposes to (1) establish a management system for the implementation and evaluation of a curriculum development program and (2) provide financial incentives to instructors to develop individualized instructional materials which provide additional alternatives for vocational-technical students. Procedures will be to (1) inform the faculty and supervisory staff of the curriculum revision and development programs; (2) encourage faculty members to develop curriculum revision proposals; (3) counsel with faculty members who are interested in curriculum development; (4) approve curriculum development projects and assist instructors with their projects; and (5) evaluate the instructional materials and the management system which have been developed.

**AR 78 0738**

**Development and Implementation of Competency-Based Education.**
**Project Director:** Becker, William; Birchler, Mary Jo
**Organization:** Gateway Technical Inst., Kenosha, Wis.
**Address:** 3520 30th Avenue, Kenosha, WI 53140
**Descriptors:** Curriculum Development, General Education, *Job Skills, *Learning Modules, *Performance Based Education, Postsecondary Education, *Program Development, Secondary Education, *Sequential Programs, *Teacher Workshops

**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $22,314
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 06-638-150-218

Objectives are to (1) identify, validate, and sequence occupational competencies in selected vocational programs; (2) identify, validate, and sequence competencies in selected general education programs; and (3) write selected instructional modules. A series of faculty workshops to accomplish the above objectives will be held and the project will be evaluated in terms of the objectives and the previously developed "CBE Curriculum Design and Implementation Manual."

**AR 78 0739**

**High School Articulation.**
**Project Director:** Paulsen, Russell
**Organization:** North Central Technical Inst., Wausau, Wis.
**Address:** Wausau, WI
**Descriptors:** Advanced Placement, *Articulation (Program), *Career Education, Curriculum Development, Drafting, Electricity, Electronics, Graphic Arts, Interinstitutional Cooperation, *Job Skills, *Material Development, *Performance Based Education, Postsecondary Education, Secondary Education
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $4,560
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 15-307-150-318

Project objectives are to develop a competency-based, articulated curriculum in the areas of electricity, electronics, graphics arts and drafting and career information materials. A survey will be conducted to ascertain competencies taught at the various high schools. This data will be discussed at joint secondary-postsecondary staff workshops. Advanced standing procedures in each of the above curriculum areas will be refined. Products to be delivered will include career information sheets.

**AR 78 0740**

**Histology Curriculum Development Project.**
**Project Director:** Baver, Annabel
**Organization:** District One Technical Inst., Eau Claire, Wis.
**Address:** Eau Claire, WI
**Descriptors:** *Associate Degrees, Curriculum Development, Diagnostic Tests, Educational Strategies, *Individualized Instruction, Inservice Education, Instructional Materials, *Learning Modules, *Medical Laboratory Assistants, *Paraprofessional Personnel, Postsecondary Education, Retraining
**Identifiers:** Histology, *Histotechnology
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $23,332
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical and Adult Education, Madison
**Contract and/or Control No.:** 01-020-150-318

Project objectives are to develop (1) a histotechnology curriculum for a two-year associate degree program which will meet guidelines of NAACIS; (2) diagnostic tests for each course of the curriculum; and (3) a histology curriculum for people working in the field. A histotechnologist will develop different approaches and individualized instuctional packages under the supervision and guidance of the chairperson of the medical laboratory technician program and the medical histology advisory committee.

**AR 78 0741**

**Improving Articulation between Secondary and Postsecondary Schools.**
**Project Director:** Spanbauer, Stanley
**Organization:** Fox Valley Technical Inst., Appleton, Wis.
**Address:** 1825 North Bluemound Drive, Appleton, WI 54911
**Descriptors:** Agricultural Education, *Articulation (Program), *College High School Cooperation, Cooperative Planning, Drafting, Health Occupations, Human Relations, *Learning Modules, Marketing, Office Occupations, *Performance Based Education, Postsecondary Education, *Program Effectiveness, Secondary Education, Technical Institutes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $5,202
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 12-343-151-318

Objectives are to (1) maintain liaison between secondary and postsecondary staff in Office Occupations and Drafting; (2) develop learning modules in Health Occupations; (3) commence articulation in Agriculture and/or Marketing education; (4) develop articulated instructional materials in human relations skills; and (5) evaluate effectiveness of articulation activities. The articulating model previously developed will be used as a basis for (1) planning; (2) competency-based delivery; (3) job related instruction; (4) program flexibility; (5) staff inservice programs; and (6) program review and evaluation. Articulated learning modules and competency lists will be delivered.

**AR 78 0742**

**Laser Technology Curriculum Development.**
**Project Director:** Paulsen, Russell
**Organization:** North Central Technical Inst., Wausau, Wis.
**Address:** Wausau, WI
**Descriptors:** Associate Degrees, Curriculum Development, *Instructional Materials, *Lasers, *Learning Modules, *Paraprofessional Personnel, *Performance Based Education, Postsecondary Education, *Technology, Test Construction
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $5,500
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 15-299-150-318

Curriculum, instructional modules, and unit tests for use in a new associate degree laser technology program at the postsecondary level will be developed in this project. Working under the supervision of the technical department chairman and the curriculum specialist of NCTI, a faculty member will develop the course outline and supporting competency-based materials. Job competencies will be identified.

**AR 78 0743**

**Milwaukee Area Technical College (MATC) District Curriculum Articulation Project.**
**Project Director:** Greeson, Bernard
**Organization:** Milwaukee Area Technical Coll., Wis.
**Address:** 1015 North 6th Street, Milwaukee, WI 53203
**Descriptors:** Area Vocational Schools, *Articulation (Program), *College High School Cooperation, *Comprehensive Programs, *Performance Based Education, Postsecondary Education, *Program Development, Regional Planning, Secondary Education
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $16,020
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 09-039-150-318

The objective of this project is to explore, develop, and implement every possible means to bring about closer cooperation, communication, and coordination between our many diverse high schools and the Milwaukee Area Technical College in as many vocational-technical areas as possible, in order that students at the secondary and postsecondary level will receive the best possible training for a vocational-technical career. Procedures will include: (1) a series of teacher-to-teacher seminars to: (a) identify taxonomies of competencies, (b) examine curriculum materials, (c) set the minimum levels of competencies expected at the end of the 12th grade and the beginning of the 13th grade; (2) a series of district-wide or regional meetings to discuss advanced placement; and (3) a comprehensive program of MATC teacher visitation of schools. Competency lists will be delivered.

**AR 78 0744**

**North Central Technical Institute (NCTI) Energy Institute and Center.**
**Project Director:** Paulsen, Russell
**Organization:** North Central Technical Inst., Wausau, Wis.
**Address:** 1000 Schofield Avenue, Wausau, WI 54401
**Descriptors:** Community Coordination, Curriculum Development, *Educational Resources, *Energy, *Energy Conservation, *Information Dissemination, *Institutes (Training Programs), *Instructional Materials, Needs Assessment, Postsecondary Education, Technical Institutes
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $15,764
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 15-295-150-318

Objectives are to (1) promote the concept of energy conservation throughout the NCTI District; (2) develop appropriate energy curriculum materials; (3) provide resource persons who can speak to various community groups and organizations on energy; (4) identify the needs of local industry; and (5) identify resources to meet needs. Procedures will be to (1) form an energy conservation advisory committee to help identify energy conservation concepts and give overall direction to the project; (2) conduct conferences, seminars, and workshops, for teachers, business, industry, and the general public on techniques for energy conservation; and (3) develop linkages with various agencies concerned with energy conservation.

AR 78 0745

**Secondary-Postsecondary Curriculum Development in Auto Mechanics.**

**Project Director:** Birchler, Robert
**Organization:** District One Technical Inst., Eau Claire, Wis.
**Address:** Eau Claire, WI
**Descriptors:** *Articulation (Program), *Auto Mechanics (Occupation), Curriculum Development, *Interinstitutional Cooperation, *Learning Modules, *Performance Based Education, Postsecondary Education, Secondary Education, Workshops
**Identifiers:** Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $14,576
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 01-012-150-318

The objective of this project is to develop a competency-based curriculum and instructional packages in the automatic mechanics areas which could be used to articulate secondary and postsecondary offerings. The materials developed by Vocational-Technical Education Consortium of States will be used as a resource at several joint secondary and postsecondary staff workshops to develop articulated curriculums.

AR 78 0746

**V-TECS Articulation/Competency-Based Curriculum Development/V-TECS Catalog Development.**

**Project Director:** Beyl, Doyle
**Organization:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Address:** Madison, WI 53702
**Descriptors:** *Articulation (Program), *Behavioral Objectives, Catalogs, Check Lists, *Criterion Referenced Tests, Farm Management, Machine Repairmen, *Performance Based Education, Performance Criteria, Postsecondary Education, Secondary Education, *Task Performance, Workshops
**Identifiers:** *Vocational Technical Education Consortium States
**Funding Period:** Start Date 1 Jul 77; End Date 30 Jun 78
**Fiscal Year Funding:** $64,630
**Sponsoring Agency:** Wisconsin State Board of Vocational, Technical, and Adult Education, Madison
**Contract and/or Control No.:** 19-053-150-318

Objectives of this project are to (1) ascertain tasks performed by incumbent workers in the two occupational areas of farm management and maintenance mechanic; (2) disseminate V-TECS catalogs of performance objectives in over fifty occupational areas; and (3) use competency lists in V-TECS to facilitate articulation. Surveys will be made of selected samples of incumbent workers and dissemination workshops will be conducted throughout the state for secondary and postsecondary staff. Articulation projects will be forwarded. Two V-TECS catalogs will be produced during FY 1979 and selected districts will develop instructional modules.

# WYOMING

## Exemplary and Innovative (Sec. 132)

**AR 78 0747**

**Career Exploration.**
**Organization:** Laramie County School District 1, Cheyenne, Wyo.
**Address:** Cheyenne, WY 82001
**Descriptors:** Basic Skills, *Career Education, *Career Exploration, Career Planning, Community Resources, *Experiential Learning, Guidelines, Human Resources, *Instructional Systems, Management Systems, Models, *Program Development, Student Attitudes, Work Attitudes
**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $12,600
**Sponsoring Agency:** Wyoming State Dept. of Education, Cheyenne

A management system will be identified and developed that provides for planning and implementing Experience Based Career Education (EBCE) for students in the local community. A model providing general direction and guidelines will allow each teacher to deliver career education including objectives concerning basic skills for jobs exploration, attitudes toward self, attitudes toward career knowledge, and identification of future career roles. Using the assistance of Community Human Resources, this instructional curriculum system will help learners to achieve these objectives.

**AR 78 0748**

**Community Resource Training.**
**Project Director:** Ribble, George
**Organization:** Big Horn High School, Wyo.
**Address:** Big Horn, WY 82833
**Descriptors:** *Community Resources, *Cooperative Education, Experiential Learning, Job Skills, *Job Training, Rural Schools, *Rural Youth, School Community Cooperation, *School Community Programs, Secondary Education, Student Employment, *Work Experience Programs
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 79
**Fiscal Year Funding:** $4,000
**Sponsoring Agency:** Wyoming State Dept. of Education, Cheyenne

Community resource training (CRT) students from a small rural school that cannot provide some specific types of occupational education will receive training necessary for job entry skills in the private business sector of the community. Hence, ten students will be employable in the career skill learned as a result of community resource training.

**AR 78 0749**

**Community Resource Training.**
**Project Director:** Haderlie, Gale
**Organization:** Lincoln County School District 2, Afton, Wyo.
**Address:** Afton, WY 83110
**Descriptors:** Career Exploration, *Community Resources, *Cooperative Education, Experiential Learning, Job Skills, *Job Training, Rural Schools, *Rural Youth, School Community Cooperation, *School Community Programs, Secondary Education, Student Employment, *Work Experience Programs
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 79
**Fiscal Year Funding:** $3,050
**Sponsoring Agency:** Wyoming State Dept. of Education, Cheyenne

Students from small rural schools will be given the opportunity to train in an actual work setting at a training station in the local community. This experience will offer an introduction to and exploration into the world of work. Moreover, it will provide thirteen students with immediate saleable job entry skills.

**AR 78 0750**

**Community Resource Training.**
**Project Director:** Strader, Carol Ann
**Organization:** St. Mary's High School, Cheyenne, Wyo.
**Address:** Cheyenne, WY 82001
**Descriptors:** Building Equipment, *Community Resources, *Cooperative Education, Educational Programs, Equipment Utilization, Facility Inventory, *Job Skills, Job Training, Marketing, *Program Development, Public Relations, Salesmanship, Work Experience Programs
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $8,000
**Sponsoring Agency:** Wyoming State Dept. of Education, Cheyenne

Using the four years' experience of the state council as a basis for development, the coordinating council for occupational education will design a community resource training (CRT) program. Twenty training stations will be provided for forty students to enable them to develop saleable job entry skills. As a result of the program, students will demonstrate proficiency in customer relations, construction equipment and parts usage, shipping and receiving procedures, and inventory of parts.

**AR 78 0751**

**Community Resource Training.**
**Project Director:** Sheer, Dennis
**Organization:** Tongue River High School, Dayton, Wyo.
**Address:** Dayton, WY 82836
**Descriptors:** *Community Resources, *Cooperative Programs, Employment Potential, *Experiential Learning, *Job Skills, Job Training, *Rural Schools, Rural Youth, *School Community Cooperation, School Community Programs, School Industry Relationship, Secondary Education, Student Employment
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $3,800
**Sponsoring Agency:** Wyoming State Dept. of Education, Cheyenne

Students from a small rural school that cannot provide the resources for occupational education itself will receive training in the private business sector of the community. As a result of this training, fifteen students involved will develop at least one saleable job-entry skill.

**AR 78 0752**

**Community Resource Training (Business/Office).**
**Project Director:** Pelton, Leila
**Organization:** Laramie County School District 2, Pine Bluffs, Wyo.
**Address:** Pine Bluffs, WY 82082
**Descriptors:** *Business Education, Career Education, *Community Resources, *Cooperative Education, Experiential Learning, *Job Skills, Job Training, *Office Occupations Education, Public Relations, Safety, *School Community Programs, Student Employment, Vocational Maturity
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $7,000
**Sponsoring Agency:** Wyoming State Dept. of Education, Cheyenne

Fifteen students will be provided job entry skills by receiving training in the business office sector of the community. Students will meet and work with the public. During their experience working in the business office station, they will learn the safety factors involved. Moreover, students will learn punctuality, dependability, and job responsibility.

**AR 78 0753**

**Data Processing Center Office Simulation Program.**
**Project Director:** Albert, Lee
**Organization:** Weston County School District 1, Newcastle, Wyo.
**Address:** Newcastle, WY
**Descriptors:** *Business Education, Curriculum Planning, *Data Processing Occupations, *Job Skills, Job Training, Models, *Office Occupations Education, *School Community Cooperation, *Simulation, Skill Development
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $3,000
**Sponsoring Agency:** Wyoming State Dept. of Education, Cheyenne

Students enrolled in a business office program will be provided with a simulated experience in a data processing center office. Planned around a survey of a local business school, this curriculum offers a model office simulation program in which students can develop job entry skills in business office education.

**AR 78 0754**

**Experience-Based Career Education (EBCE).**

**Project Director:** Klements, Bill
**Organization:** Converse County School District 1, Douglas, Wyo.
**Address:** Douglas, WY 82633
**Descriptors:** *Career Education, *Curriculum Development, Elementary Secondary Education, *Experiential Learning, *Inservice Teacher Education, Middle Schools, *Program Development
**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $6,000
**Sponsoring Agency:** Wyoming State Dept. of Education, Cheyenne

A consultant from the middle schools vocational program will meet with teachers to develop an EBCE program and curriculum for implementation in Douglas middle schools. An inservice program will be held for teachers to assist in implementing the curriculum.

**AR 78 0755**

**Experience-Based Career Education (EBCE).**
**Project Director:** Schlegel, James
**Organization:** Fremont County School District 1, Lander, Wyo.
**Address:** Lander, WY 82520
**Descriptors:** Career Development, *Career Education, *Career Exploration, Career Planning, *Experiential Learning, Information Sources, *Occupational Information, Personal Interests, Student Interests
**Identifiers:** *Experience Based Career Education Program
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $10,000
**Sponsoring Agency:** Wyoming State Dept. of Education, Cheyenne

Based on an understanding of their current interests, students will choose up to four occupations to explore in order to gain job awareness for career planning. The project will provide students with knowledge about broad occupational areas, access to occupational information, and available resources in the area of career development.

**AR 78 0756**

**Mini-Work Training for Industrial Education Teachers in New Energy Occupations.**
**Project Director:** Burns, Ken
**Organization:** Laramie County Community Coll., Cheyenne, Wyo.
**Address:** Cheyenne, WY 82001
**Descriptors:** Community Colleges, Educational Improvement, *Energy, *Experiential Learning, Industrial Education, Resource Materials, *Skill Development, *Teacher Education, Teacher Workshops, Teaching Methods, Technical Occupations, *Trade and Industrial Teachers, *Work Experience Programs
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $4,000
**Sponsoring Agency:** Wyoming State Dept. of Education, Cheyenne

Mini-workshops will be held at various community colleges in Wyoming to provide trade and industry teachers with hands-on experience in the energy field. Besides learning specific training skills, methods, and techniques needed in energy occupations, the teachers will be provided with resource materials for incorporation into classroom activity.

**AR 78 0757**

**New Teacher-Coordinator's Distributive Education Workshop.**
**Organization:** Central Wyoming Coll., Riverton
**Address:** Riverton, WY 82501
**Descriptors:** *Cooperative Education, *Distributive Education, Educational Programs, Employment Qualifications, *Instructor Coordinators, Job Skills, Job Training, School Industry Relationship, Statewide Planning, *Teacher Developed Materials, Teacher Education, *Teacher Workshops, Training Laboratories
**Identifiers:** *Emerging Occupations
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $4,000
**Sponsoring Agency:** Wyoming State Dept. of Education, Cheyenne

The state department of education and business leaders will provide job skill training at local business and industrial sites in the state to new teachers employed by local education associations. This unique training will enable teachers to offer students basic job entry skills in new emerging occupations in the state, as classroom instruction related to the training station experiences is developed.

**AR 78 0758**

**State Program Improvement for Community Resource Training (CRT).**
**Project Director:** Burns, Ken
**Organization:** Laramie County Community Coll., Cheyenne, Wyo.
**Address:** Cheyenne, WY 82001
**Descriptors:** Administrative Personnel, Administrator Education, *Community Resources, Educational Programs, *Program Administration, *Program Development, *Program Improvement, *State Programs, *Workshops
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $2,500
**Sponsoring Agency:** Wyoming State Dept. of Education, Cheyenne

To develop the Wyoming community resource training (CRT) program, a workshop will be designed for potential program managers and administrators to understand the philosophy, concepts and impelentation of a successful CRT program. Coordinated by the state department of education with the Laramie County Community College and the community resource trainer, members of the workshop will cooperatively lay out student training schedules and sound instructional procedures. Five new CRT programs will be developed for the state in 1978.

**AR 78 0759**

**Young Farmers Program.**
**Organization:** Northwest Community Coll., Powell, Wyo.
**Address:** Powell, WY 82435
**Descriptors:** Agricultural Personnel, Agricultural Skills, *Agricultural Trends, Community Colleges, *Farm Occupations, *Feasibility Studies, *Innovation, *Needs Assessment, School Community Cooperation, Seminars, Workshops, *Young Farmer Education
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 78
**Fiscal Year Funding:** $6,130
**Sponsoring Agency:** Wyoming State Dept. of Education, Cheyenne

A feasibility study for establishing a Young Farmer program will be developed. To do this an individual agricultural instructor on the staff of Northwest Community College will develop, plan, and set up a steering committee selected from members of the community. After the committee is formed, key agriculture business leaders and owners-operators will be contacted to establish sufficient data for the development and implementation of such a program. To meet the needs of the agricultural persons being served, the program will offer workshops and seminars on the latest farming practices and up-to-date methods.

# PUERTO RICO

## Curriculum Development (Sec. 133)

**AR 78 0760**

**Development of a Comprehensive Curriculum Management System.**

**Project Director:** Villanueva, Sylvia
**Organization:** Puerto Rico State Dept. of Education, Hato Rey
**Address:** Box 759, Hato Rey, PR 00919
**Descriptors:** Consultants, Curriculum Development, *Curriculum Guides, Information Dissemination, *Inservice Education, *Program Coordination
**Funding Period:** Start Date 1 Oct 77; End Date 30 Sep 79
**Fiscal Year Funding:** $94,528
**Sponsoring Agency:** Puerto Rico State Dept. of Education, Hato Rey
**Contract and/or Control No.:** 498AH70220

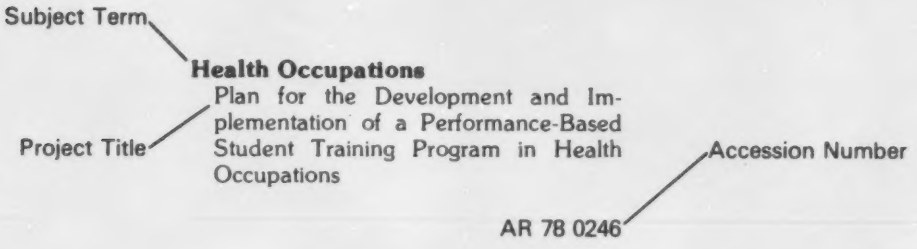
To revise and improve the vocational education program, vocational curriculum technicians will develop, reproduce, and disseminate program guides which follow a suggested outline. Procedures will be established to improve communication between the curriculum technicians and program directors, consultants, students, supervisors, lay persons, and others who can provide feedback information and integrate regular, adult, and vocational programs into a coordinated development plan. The curriculum technicians will attend several seminars and inservice training meetings which deal with developing effective curriculum revision procedures.

## SECTION II.
## SUBJECT INDEX

# Subject Index

This index lists the titles of projects under the major subject terms that have been assigned to indicate project content. The subject terms are taken from the *Thesaurus of ERIC Descriptors* and are listed in alphabetical order. (Note: projects in this publication are in the broad area of Vocational Education. Therefore, "Vocational Education" is not used as a major descriptor except to occasionally clarify project content.)

As shown in the example below, the accession number is displayed below and to the right of the title. Additional information about the project can be found under that number in the Resume Section.


Subject Term
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Project Title
Accession Number
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AR 78 0358
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Teacher Expectancy as Related to Student Performance in Vocational Education.
AR 78 0563
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AR 78 0445
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AR 78 0282

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AR 78 0188

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AR 78 0398

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AR 78 0326
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AR 78 0417

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AR 78 0449
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AR 78 0603

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AR 78 0364

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AR 78 0590
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AR 78 0307
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AR 78 0370
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AR 78 0388
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AR 78 0685

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AR 78 0348
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AR 78 0159
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AR 78 0490
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AR 78 0145
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AR 78 0087
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AR 78 0588

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AR 78 0018

**Welding**

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AR 78 0724

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AR 78 0068

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AR 78 0682

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Development and Field Testing of Curriculum Modules for Teaching Occupational Survival Skills–Phase Four.
AR 78 0169

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AR 78 0060

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AR 78 0365

Identify, Analyze, and Disseminate Information about Opportunities for Males and Females in Nontraditional Occupations.
AR 78 0038

Teacher's Handbook for Exploring a Cluster of Work Values of Students, Parents, and Teachers on the Basis of Research Findings.
AR 78 0309

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AR 78 0535

Community Resource Training.
AR 78 0749

Community Resource Training.
AR 78 0748

Development of Off-Farm Supervised Occupational Experience Program Materials for Vocational Agriculture Students.
AR 78 0363

Employer-Based Automotive Training Program in Central Kentucky.
AR 78 0275

Fishing Industry Specialization.
AR 78 0689

Mini-Work Training for Industrial Education Teachers in New Energy Occupations.
AR 78 0756

Non-Paid Work Experience.
AR 78 0702

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AR 78 0614

A Proposal to Develop a Vocational Assessment System and Cooperative Work-Experience Model for Disabled Students.
AR 78 0049

Research on Cooperative Education Program Enrollment.
AR 78 0387

Revision of Supervised Occupational Experience Program Materials.
AR 78 0604

Study of Three Types of Placement in Relation to Student Success in Vocational Programs.
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Vocational Education through Cooperative Work Experience.
AR 78 0390

Work Experience Career Education Program (WECEP) Guide: Revised, Updated, and Expanded.
AR 78 0206

**Work Incentive Program**
Research for Women: Sex Stereotyping, Nontraditional Jobs, and Vocational Training.
AR 78 0043

**Work Sample Tests**
Specific Career Orientation Readiness.
AR 78 0030

**Working Women**
Women at Work in New Careers.
AR 78 0287

**Workshops**
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AR 78 0172
Institute for Research and Development in Occupational Education: A Professional Development Workshop.
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Leadership Development Workshops for Building Principals.
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Workshops for Vocational Program and Curriculum Planning in Secondary Schools.
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Development of a Public-Supported Educational Program for Young Farmers and Agribusiness Persons in Illinois.
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AR 78 0343

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